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The



CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

FEBRUARY 3, 1951



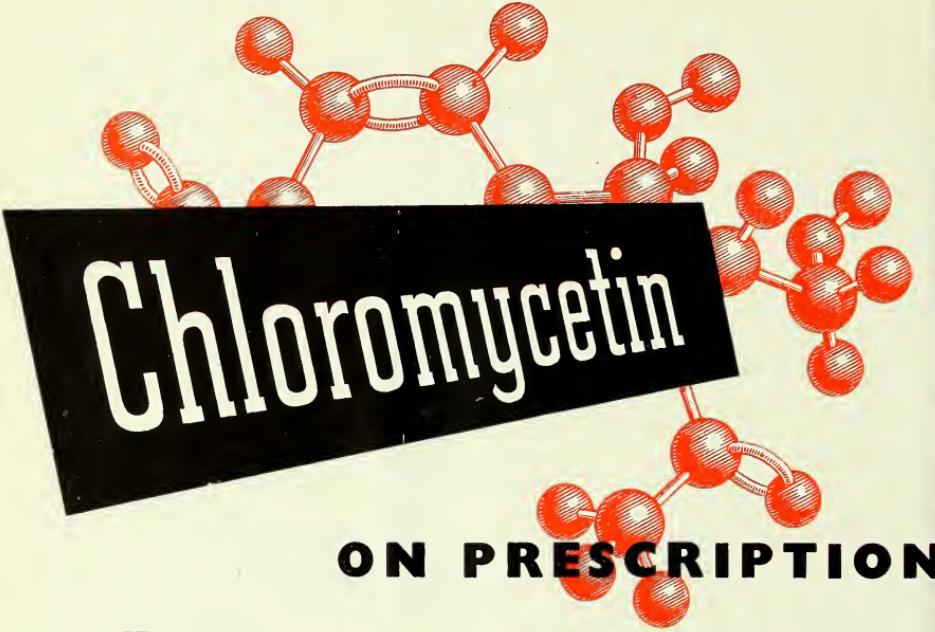
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for RETAILER—WHOLESALE—MANUFACTURER

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Volume CLV

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NEWS OF THE WEEK

Summer Time.—The Home Secretary announced in the House of Commons on January 25 that summer time will extend from April 15 to October 21 (as in 1950).

Opticians' Request to Minister.—The Association of Optical Practitioners passed resolution on January 17 calling for the existing local ophthalmic services to be placed on a permanent basis.

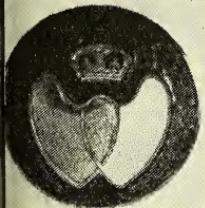
Awards for Blood Donors.—Awards are to be presented to "long service" blood donors. To qualify, a volunteer must have given at least ten donations of blood since September 1939. There will be three classes of award:—Silver-gilt for at least fifty donations, silver for twenty-five donations, and bronze for ten donations. The Princess Royal is due to present the silver-gilt awards at a ceremony in London in April.

Volunteers who believe they are entitled to an award and have not received an invitation to apply should ask for application forms from the Regional Blood Transfusion Centre where they are enrolled.

D.D. Authorities Withdrawn.—The Home Secretary has withdrawn from Henry Joseph Constantine Churchill, M.R.C.S., L.R.C.P., 14 Hanover House, London, N.W.8, the authorities granted him under the Dangerous Drugs Acts Regulations. The authority was previously withdrawn and the order subsequently cancelled in December 1947.

C. & D. DIARY AND YEAR-BOOK, 1951

SUBSCRIBERS are reminded that, owing to the recent printing trade dispute, issue of the *Diary* is much delayed (see C. & D., December 30, 1950, p. 749). They are asked not to make inquiries, either by letter or by telephone, about delivery.



Deaths in Towns from Influenza.—The number of deaths from influenza recorded in the 126 great towns of England and Wales during the week ended January 20 was 1,099, against 866 in the previous week.

Purchase Tax on Stationery.—The Purchase Tax (No. 1) Order, 1951 (S.I. 1951, No. 60), which comes into operation on February 12, adds certain kinds of stationery and office requisites made wholly or partly from paper, paper board, etc., to those goods chargeable with purchase tax.

International Advertising Conference.—The second international advertising conference organised by the Advertising Association of Great Britain, 110 Fleet Street, London, E.C.4, is to be held in London, July 7-13. About 2,500 delegates from thirty-six countries are expected to attend. The theme of the conference is "The Tasks of Advertising in a Free World."

C.F. Council Elections.—The following members have been re-elected to the Chemists Federation council for a further period of two years, ending January 31, 1953:—
Manufacturers' representatives: Allen & Hanburys, Ltd., Evans Medical Supplies, Ltd., Meggeson & Co., Ltd. and Parke, Davis & Co.; *retailers' representatives:* Messrs. W. T. Elder, G. A. Mallinson, S. J. Stearn and W. John Tristram; *wholesalers' representatives:* Ayrton, Saunders & Co., Ltd., and May, Roberts & Co., Ltd.

Prescribing of Proprietaries.—The Ministry of Health "List of Proprietary Medicines Advertised Direct to the Public" (see *C. & D.*, 1950, II, 337) was the subject for discussion at a meeting of the Edinburgh Executive Council held on January 25. Dr. E. A. Cormack explained that the memorandum was issued for the guidance of doctors and not as a directive, and Mr. T. J. Addly (chairman) said that the list armed doctors against patients who demanded a certain advertised preparation.

An Index of Dollar Exports.—In the nine months after devaluation, exports of chemicals to the U.S. and Canada by Imperial Chemical Industries, Ltd., were almost equal to the sterling value of exports to those markets before devaluation. A writer in the "I.C.I. Magazine" states that for some months after devaluation the effect on exports to America and Canada was not discernible. The time lag was to some extent due to seasonal factors, such

as the closing of the St. Lawrence river to navigation during the winter. In the second quarter of the year, however, exports of I.C.I. products rose sharply and were a third more than in the first three months of the year. Later, a strike of American chemical workers occurred, and large shipments of alkali were made to both the United States and Canada. Exports of the company's products to markets in Central and South America also substantially increased (to Mexico, for example, more than tenfold). The increases were not at the expense of "traditional Empire markets," although they occurred at a time when India, the largest Commonwealth market, was imposing severe restrictions on imports.

LOCAL NEWS

Swansea Pharmacy to be Rebuilt.—A scheme submitted by Boots, Ltd., for developments to cost £100,000 in connection with the reinstatement of war damage in Oxford Street, Swansea, Glam, has been approved.

Hull Dinner and Dance.—Over 160 members of the Hull Chemists' Association and Branch of the Pharmaceutical Society attended the annual dance and dinner on January 18 which was held in aid of the Pharmaceutical Society's Benevolent Fund. The chief guests included Dr. Jamieson (medical superintendent, Castle Hill Hospital, Hull) and Mr. L. Balmforth (head of the chemistry department, Hull Technical College).

Presentation to Employee.—At an eightieth anniversary celebration dinner in London on January 25 given by the directors of V. Berg & Sons, Ltd., merchants, 33 Eastcheap, London, E.C.3, to the company's staff and friends, Mr. Alfred G. von Berg (in the absence, through illness, of Mr. Harry M. E. von Berg, chairman) presented a gold cigarette case to Mr. J. H. Mammen, who had been a member of the staff of V. Berg & Sons for fifty years.

Visit to Laboratories.—A party of medical students from London Hospital Medical College visited the works and laboratories of Boots Pure Drug Co., Ltd., at Beeston and Nottingham on January 17-18. On the first day they saw the production of tablets, pills and pharmaceutical preparations at Beeston, and made a tour of Boots College, where training is

given during working hours to employees under eighteen years of age. The following morning was occupied in visiting the insulin and penicillin plants, etc.

Conference on National Health Services.—Representatives of Scottish local authorities, regional hospital boards, executive councils, and the Scottish Health Services Council met in Edinburgh on January 10 for a conference on the co-ordination of the various branches of the Health Service. They unanimously agreed that in each area in Scotland steps should be taken to secure convenient and expeditious discussion of all difficulties but that it should be left to local initiative to decide how that should best be done.

London Pharmaceutical Committee.—At the January meeting of the London Pharmaceutical Committee it was agreed that the issue of pharmaceutical lists to all doctors and dentists in contract appeared to serve no useful purpose. The Committee also considered the accuracy of the present system of pricing in comparison with full pricing. The following statistics were given for January 1950:—Prescriptions dispensed, 1,744,557; total cost, £240,120; average cost per person, 19.51d.; container allowance, £9,087. An increase of eight chemists on the current pharmaceutical list was reported compared with January 1950.

Society's Vice-president at Newcastle.—Mr. F. C. Wilson (vice-president of the Pharmaceutical Society) was the guest of honour at the annual dinner of the Newcastle and Northumberland Branch of the Society, held in Newcastle-on-Tyne on January 24. Replying to the toast "The Pharmaceutical Society," Mr. Wilson discussed the proposed new charter and urged the importance of voting at Council elections. "The guests" was proposed by Mr. J. Robson (vice-president of the branch) and acknowledged* by Professor A. Kennedy (head of the Department of Psychological Medicine, King's College, Newcastle-on-Tyne).

Burton Chemists Justify their Service.—At a meeting of the Burton-on-Trent Executive Council on January 9, the question of the adequacy of the pharmaceutical service was raised. A letter from Mr. J. A. Dean, M.P.S. (secretary, Burton Pharmaceutical Committee) said that members of the Committee were of the opinion that the area was adequately served by existing

chemists and strongly resented the Council's resolution at a previous meeting that the service was inadequate. They pointed out that new housing estates had been springing up where no provision was made for a chemist's shop, and that doctors were sending more prescriptions to chemists than previously. No action was taken.

P.A.T.A. Secretary at Canterbury.—A resolution expressing concern at the effect on wages and working conditions in pharmacy if the existing system of price protection were abolished or weakened was carried unanimously at a meeting of the East Kent Branch of the Pharmaceutical Society held at Canterbury on January 18. Mr. H. E. Chapman (secretary, Proprietary Articles Trade Association) gave reasons why the P.A.T.A. system "must be preserved." The discussion which followed indicated how essential were fair margins on the many kinds of proprietary goods in view of the extent of pharmacist's turnover in them. The Branch pledged its full support to the P.A.T.A. in its endeavour to ensure effective continuance of the Association's work.

Tablet Making.—At a meeting of the Edinburgh and South-eastern Scottish Branch of the Pharmaceutical Society in Edinburgh recently, Mr. Harry Burlinson, Ph.C., gave an address on "The Principles and Practice of Tablet Making." Mr. Burlinson said tablets were introduced about one hundred years ago and were first officially mentioned in the British Pharmacopœia, 1885, as tab. nitroglycerin. The appearance of an official tablet differed with the source. Tablets had become a popular form for the administration of certain drugs because they could give an accurate dosage, be readily absorbed into the system and were capable of being mass produced. The requirements of a good tablet were (1) an accuracy within five per cent., (2) rapid release of the drug into the system where necessary or the slow release where oral medication was required, and (3) elegance and symmetry. The preparation of the material was a vital operation in tabletting, the basis of which was a good formula. The general formulation of a tablet was illustrated and the use of different substances such as fillers, disintegrants and wetting agents explained. The range of tablets dealt with included compressed lozenges and implant tablets. After the address members of the audience inspected granules in various stages of preparation, the punches used in machines

and a model tablet machine. Answering a question concerning the addition of a dry lubricant to the granules, Mr. Burlinson explained that, by using the tumbling type of machine, and working at a slow revolution, it was possible to avoid breaking the granules.

IRISH NEWS

Examination Results.—Thirty-two candidates sat for the January Assistants' examination of the Pharmaceutical Society of Ireland. The following were successful:—Pauline M. B. Clarke, Michael Corrigan, Patrick J. Crotty, Vincent D. Cronin, Margaret T. Doherty, Margaret J. A. Gallagher, Mary Hanly, John Harnett, Bridgid N. Keary, Mary G. Keaveny, Patrick M. Kennelly, Mary B. Kivelehan, Mary A. Lyons, Catherine Maidgan, Bridget I. Moriarty, Kathleen Murphy, Jane T. O'Connell, Ellen M. O'Sullivan, Robert J. Pattison, Michael Phelan, Julia Sheahan.

Pharmacy Club Dance.—The annual dance of the Pharmaceutical Chemists and Students Club was held in Dublin on January 25. Among those present were the president of the Pharmaceutical Society (Mr. T. C. Scott), his daughter (Mrs. Hall), Mr. and Mrs. John Gleeson, Mr. P. C. Cahill, Dr. Eoin C. Dowling and Mrs. Dowling, Mr. and Mrs. T. B. O'Sullivan, Mr. John Draffin (captain of the Chemists' Golfing Society), Mr. Brendan McWey (captain of the Gaelic Athletic Club), Mr. C. Roche (captain of the Rugby Club), Miss Joan McNulty (captain of the Camogie Club) and Mr. Frank Gannon (Pharmaceutical Students' Association).

Irish Drug Association.—At the January meetings of the committee of the Irish Drug Association Mr. D. Woulfe (president) in the chair, it was stated that it was not possible to dispatch any advices of prices since December 14, 1950, owing to the announcement of the Prices and Charges (Standstill) Order, 1951, on January 3, 1951. A number of alterations affected by the order were about to be circulated on that date and were then suspended. None of the items affected may now be increased in price, retail, wholesale or manufacturing, over the lowest prevailing prices operative in the week ended December 2, 1950, until authorised by the Minister for Industry and Commerce. It was the view of the committee that toilet preparations of a non-medicinal nature, optical lenses, photographic goods, etc., were ex-

empt, but that drugs, medicines, cotton wool, surgical and medicinal dressings were controlled in price. Members were therefore urged to ensure that the prices in the Association's list, including all the changes to date, were not exceeded, and if in any doubt to contact the secretary immediately for information as to the correct charge. Members were asked to observe meticulously the Association's retail prices. Members recently elected were Messrs. L. C. Cashell, 92 North Main Street, Cork; J. C. Kelly, 10 The Mall, Tralee, co. Kerry; T. M. Mulcahy, Marville, Ballintemple, co. Cork; F. McKenna, The Pharmacy, Sallinsnoggin, co. Dublin; J. P. Nolan, Main Street, Carrickmacross, co. Monaghan, and W. F. Sweeney, The Coombe, Dublin.

SCOTTISH EXECUTIVE

A MEETING of the Executive of the Scottish Department of the Pharmaceutical Society was held in Edinburgh on January 24, Mr. C. W. Macfarlane in the chair. THE CHAIRMAN referred with regret to the death of Mr. W. Cumming, Thurso, former divisional secretary. It was learned with regret that the vice-chairman of the Executive (Mr. A. B. Gilmour) had decided, on the advice of his doctor, to resign office and membership of the Executive, and it was agreed that Mr. R. I. Mackay, Glasgow, should be invited to fill the resulting vacancy on the Executive. Mr. H. T. Thomas was unanimously elected Vice-chairman. The Executive noted that section XXII of the by-law which referred to the Department, now appeared in the supplementary charter proposals in the form suggested by the Executive. The inaugural meeting of the Stirring and Central Scottish Branch was reported on (see *C. & D.*, 1950, II, 471).

A report on the January examination in Edinburgh was submitted. Seven apprentices had been registered in Scotland since the previous meeting, making a total of approximately 140 under training in Scotland. The RESIDENT SECRETARY (Dr. D. McCall) reported that he had written to the Secretary of State for Scotland asking if appropriate measures could be taken to exempt Scottish pharmacists from jury service. An acknowledgment had stated that the matter would receive consideration. The president and registrar of the Society had accepted a special invitation to be present at the next meeting of Executive on April 11.

TOPICAL REFLECTIONS

Food Preservatives and Colourings

The announcement that the Food Standards Committee of the Ministry of Food has appointed a subcommittee to review the Public Health (Preservatives, etc., in Food) Regulations (p. 98) is of importance, not only to manufacturers of foods and to analysts but also to all who sell these substances. Looking back, it seems remarkable that before the coming into force of the Public Health (Regulations as to Food) Act and the Butter and Margarine Act, both passed in 1907, there was no protection against the addition of deleterious preservatives and colourings to foods except that contained in Section 3 of the Sale of Food and Drugs Act, 1875; and that when proceedings were taken under the Section there was often great difficulty in proving that the articles of food in question were injurious to health. A committee had been set up by the President of the Local Government Board as far back as 1899 to inquire into the use of preservative and colouring matters in food, and its report appeared in 1901. Legislation on the subject was, however, tardy and fragmentary. The Local Government Board issued a few regulations under the Acts of 1907; but no general examination of the subject took place till 1923, when the Minister of Health appointed a committee of ten scientists with comprehensive terms of reference. Their recommendations took final shape in the Regulations of August 4, 1925 (referred to above), most of which came into operation on January 1, 1927. The *C. & D. Diary* for that year contained an excellent *sumé* of the Regulations; and they have been amended from time to time.

Limits of Tolerance

These Regulations, as amended, have worn fairly well. It may be remembered that common salt and a few other substances usually found in preserved foods were excluded from the official definition of "preservative," and that the colouring matters banned included only one "vegetable" product: gamboge. The prohibition of copper sulphate, previously used as a mordant to fix chlorophyll in green vegetables, was generally welcomed; and, as Mr. R. L. Parry pointed out in your 1927 *Diary*, colourless salts of zinc were obviously intended to be subsumed under the designation "metallic colouring mat-

ters." The Food Standards Committee of the Ministry of Food (which Committee replaced an inter-departmental committee in 1948) has no doubt taken expert advice before deciding to have the whole subject reviewed. As twenty-four years have passed since the original Regulations came into force, it may reasonably be thought advisable to institute a fresh examination of the use of preservatives and colourings in food in the light of any recent scientific evidence available. One point to which the subcommittee's attention will probably be directed is what may be called limits of tolerance for the preservatives and colourings now sanctioned. Any proposal to increase the proportion of any of these, or to add others, will need careful scrutiny.

Tablets and Capsules

The strong points of tablets and those of capsules are fairly and attractively presented by Mr. D. Stephenson and Mr. John Clemow respectively (pp. 115-119). It is worth recalling that the centenary of William Brockdon's patent for compressed tablets was the subject of an article in the *C. & D.*, 1943.II.496-97. In the 'nineties of the past century some of the older customers in chemists' shops still associated his name with compressed tablets, and asked for them accordingly. Modern mass production has converted the manufacture of tablets into a more or less exact routine. Those who attended the science sessions of the British Pharmaceutical Conference in 1936 will remember Mr. Bernard F. Howard's monograph on the standardisation of tablets in the Swiss Pharmacopœia, and the discussion that followed on the desiderata for perfect tablets. Mr. Clemow's account of the large-scale production of capsules shows that engineering skill has been successfully applied there. Processes of tablet-making and capsule-making are not strictly comparable, for one type of process results in a complete medicament and the other type in an envelope for a medicament. Both forms of administration are probably destined to continued popularity, for each is neat, and each ensures accurate dosage within narrow limits. The proletariat must learn that a bottle of medicine is not the be-all and the end-all of therapeutics, must be educated to acceptance of tablets and capsules, and must keep such things out of the way of young children.

Xrayser

NEW COMPANIES

GOOCH & CO., LTD. (P.C.)—Capital £1,000. To acquire the business of a chemist now carried on at High Street, Holt, Norfolk. Sophia Gooch and Frederick W. Willies, M.P.S., directors.

A. SHAW (CHEMISTS), LTD. (P.C.)—Capital £500. To carry on the business of wholesale and retail chemists and druggists, etc. Julia G. Shaw and George Baxter, M.P.S., directors. R.O.: 774 Barking Road, Plaistow, London, E.13.

L. A. GARbett, LTD. (P.C.)—Capital £5,000. To carry on the business of chemists and druggists, etc. Leonard A. Garbett, M.P.S., and Dorothy E. Garbett, directors. R.O.: 12 High Street, Wickford, Essex.

C. SPENCER (GRADUATING), LTD. (P.C.)—Capital £750. To acquire the business of graduation of scientific glassware now carried on at 136 Cambridge Road, Seven Kings, Essex. Frank Spencer and Claude Spencer, directors.

D. D. HANNIGAN, LTD. (P.C.)—Capital £1,000. To carry on the business of wholesale and retail chemists and druggists, dealers in toilet requisites and preparations, etc. Denis D. Hannigan, M.P.S., Rennie F. H. Leach and John R. Hoar, directors. R.O.: 8 Western Road, Romford, Essex.

F. W. BOON & SON, LTD. (P.C.)—Capital £6,000. To acquire the business of wholesale and retail manufacturing chemists carried on at Kendal. Francis W. Boon, M.P.S., Mary E. Boon and John S. Boon, directors. R.O.: 27 Stricklandgate, Kendal.

TOWNLEY & SON (CHEMISTS), LTD. (P.C.)—Capital £7,000. To acquire the business of a chemist and druggist carried on by the executor of the will of the late William Borthwick, at Keswick. Phyllis M. Borthwick and William H. Reeves, M.P.S., directors. R.O.: 5 Market Square, Keswick, Cumberland.

SPEAR LABORATORIES, LTD. (P.C.)—Capital £1,000. To acquire the business of Spear Laboratories carried on by George W. Marsden at 47 Market Street, Paddock, Huddersfield; and to carry on the business of wholesale or retail chemists, druggists, chemical engineers, etc. First directors are to be appointed. Solicitors: Mills, Best & Wilson, Huddersfield.

ROCHDALE PHARMACEUTICALS, LTD. (P.C.)—Capital £10,000. To acquire the

wholesale and manufacturing side of t business now carried on as J. J. Thom & Son, Rochdale; and to carry on t business of manufacturing and gener chemists, etc. Harold Thomas, M.P.S., a Stella Thomas, directors. R.O.: 14 Cheham Street, Rochdale.

Company News

R. DEMUTH, LTD.—Mr. C. H. A. Sto has been appointed a director.

C. MITCHELL & CO., LTD.—Mr. S. Hyde Smith has been appointed a direct of the company.

STYRENE PRODUCTS, LTD.—Mr. P. Chaumeton, B.Sc., F.R.I.C., M.I.Chem.I has been appointed managing director the company.

BARCLAY & CO., LTD.—Mr. Alfred Cheshire has succeeded Mr. Vernon Porter as joint managing director. M. Porter remains a director of the compa in a consultative capacity.

IDRIS, LTD.—Net profit for the year October 31, 1950, after providing for depreciation and taxation, amounts £34,910, against £45,563. The sum £5,000 is added, being provision ma previously and no longer required. Proposed dividend, 10 per cent. (same) on ordinary (£2,750) and B ordinary (£99 shares; transferred to equalisation of dividends reserve, nil (£5,000); to general reserve, nil (£20,000); provision in respect of subsidiaries, £7,500 (nil); carried forward, £48,816 (£24,656).

BUSINESS CHANGES

MR. W. A. SHACKLETON, M.P.S., is carrying on the business of his late father (s p. 136) at 103 Eaton Road, Liverpool, 1

EVANS MEDICAL SUPPLIES, LTD., Spek Liverpool, 19, have appointed Dr. F. Gorill as deputy medical director of Eva Biological Institute, Runcorn.

MR. E. N. INGALL, B.Pharm., Ph. (membership secretary of the British Pharmaceutical Students' Association), has moved to 178 Snakes Lane, Woodfor Essex.

WARRICK BROTHERS, LTD., 4 Nile Street London, N.1, have appointed Mr. Fran Lord assistant sales manager. Mr. H. I Camish succeeds Mr. Lord as representative for the London area.

LEGAL REPORTS

Dangerous Drugs Theft. — Alleged to have been a drug addict, Christopher Wayman, a thirty-five-year-old staff nurse and deputy night superintendent at a Malvern hospital, pleaded guilty at Malvern recently to a charge of stealing six phials of Dangerous Drugs from the hospital. Wayman was sent to prison for six months, with a recommendation that he should receive suitable treatment.

Licensing Hours Exceeded. — At Halifax borough court, recently, Mr. Kenneth Dixon, Halifax, pleaded technically guilty to selling wines and spirits at Gibson Dixon's pharmacy, Halifax, for one-and-a-half hours after the end of the midday censored opening period on the Saturday before Christmas, 1950. The police agreed that it was a genuine mistake, and a fine of £2 was imposed.

An Iodine Warranty. — The directors of Harker Stagg, Ltd., have drawn attention to certain facts relating to a prosecution at Halesowen (*C. & D.*, January 20, p. 71) that were not included in the report received and published. The chemist was summoned for selling tincture of iodine not up to the standard laid down in the British Pharmacopœia, 1948. The analysis of the sample under the terms of the Act showed that, instead of containing 2.5 per cent. potassium iodide, the sample contained only 1.5 per cent.—the amount prescribed in the corresponding preparation of the British Pharmacopœia, 1932. The statutory defence of warranty was sought under section 84 of the Act, under which the manufacturer is entitled to appear at the hearing and may give evidence, but does not become a party to the proceedings, as he would if the offence were brought under section 83. Director and an employee of the company gave evidence in the court, producing the company's own laboratory reports of analysis and describing the manufacture and safeguards, which showed that the iodine tincture supplied by them to the chemist was in accordance with B.P., 1948, standards. That evidence was accepted by the court. Any suggestion given by the published paragraph that Harker Stagg, Ltd., were at fault is much regretted.

False Purchase-tax Return. — Pleading guilty to making a false purchase tax return when he was in business as a manufacturer of toilet preparations, Frederick Donald Laudrum, 34 Evelyn Road, Lon-

don, E.17, was at Old Street magistrates' court on January 26 sent to prison for six months. For the Customs and Excise it was stated that the total loss to the Revenue over the whole period of Laudrum's trading was £1,424. The magistrate said that the case was deplorable. Laudrum had charged his customers purchase tax and had put the money into his pocket. For the prosecution, Laudrum was said to have started trading in April 1947 in a small way of business. Eventually he was seen about the amount of raw materials he was buying to manufacture toilet preparations, and an elaborate search was made, covering large parts of the country, to find where he had sold the goods he had been making. Numerous invoices were produced to him and eventually he made a written statement, in which he admitted that he had collected purchase tax which he should have included in his returns but which he did not pay over to the Customs and Excise. He had had no intention of failing to pay the tax, but about the end of 1947 a slump started in his goods and he was left with merchandise he could not sell. Eventually he gave up business, finishing up with nothing. Despite Laudrum's remark solicitor for Customs and Excise said that he seemed to have sold a very large amount.

FIFTY YEARS AGO

Wool-fat from Bradford Wool-suds

(From the *C. & D.*, February 2, 1901)

At the meeting [of the Bradford Chemists' Association] on Tuesday evening, January 20, Mr. J. Whaley, B.Sc., lectured to the members on "Waste Products." . . . Mr. Whaley dealt chiefly with the latest developments of, and utilisation of, waste-products at the Bradford gasworks and in the Bradford wool-suds. . . . He then explained two processes of treatment of the Bradford wool-suds, the mechanical process of Messrs. Smith & Leach, carried out at Field Head mills, and the chemical process of Lanosoap (Limited). Smith & Leach's process, he said, is a very elaborate engineering process for utilising steam and getting as much evaporation with as little cost as possible—the heat, the purified liquor, and the wool-fat all being utilised. By the process of Lanosoap (Limited), which is a trade secret, the company obtains, by the use of acids, soap, fatty alcohols, and neutral fats,

BIRTH

FOLEY.—At the Leinster nursing home, Pembroke Street, Dublin, on January 15, Maureen (née Keane), wife of John Timothy Foley, M.P.S.I., 63 Clontarf Road, Dublin, of a daughter (Katryn Elizabeth Mary).

DEATHS

BEACHER.—Recently, Mr. Ralph Edward Osborn Beacher, 16 Beaulah Street, Harrogate, Yorks. Mr. Beacher qualified as a chemist and druggist in 1903.

BLACKHAM.—At his home in Sussex, on January 23, Major-General Robert James Blackham, C.B., C.M.G., C.I.E., D.S.O., M.D., M.R.C.P.E., K. St. J., barrister-at-law. General Blackham obtained a pharmaceutical chemist's licence of the Pharmaceutical Society of Ireland in 1890. In 1901-02 he was on plague duty as a medical officer in the Punjab, and during the 1914-18 war was mentioned in dispatches five times. During that war he was closely associated with the French Medical Service and was awarded the Croix de Guerre with two palms and star. In 1920 he published a series of pocket guides to first-aid treatment. He was a Liveryman of the Society of Apothecaries and from 1931 published a number of books, including his memoirs entitled "Scalpel, Sword and Stretcher—Forty Years of Work and Play."

BRIDE.—On January 8, Mr. William Edward Bride, M.P.S., 531 Tong Road, Farnley, Leeds. Mr. Bride qualified in 1920.

DAVIS.—Recently, Mr. William James Davis, M.P.S., 95 Grenville Road, Southville, Bristol, 3. Mr. Davis qualified in 1912.

DRYDEN.—In Perth Infirmary, on January 21, Mr. David Scott Dryden, M.P.S., 166 Perth Road, Dundee, aged sixty-one. Mr. Dryden was the proprietor of businesses at 113 Albert Street (at which he served his apprenticeship, and which he took over on the death of his employer forty years ago), and 92 King Street, Dundee. He is survived by his widow. Mr. Dryden's brother (Mr. Albert Dryden, M.P.S.), is in business at Broughty Ferry Road, Dundee.

FREEDMAN.—At St. Winifred's Hospital, Cardiff, on January 28, Mr. Harold Freedman, M.P.S., 107 Oxford Street, Pont-

cymmer, Glam. Mr. Freedman qualified in 1919. Mr. Freedman represented Moore Medicinal Products, Ltd., London, W.1, in Wales for many years, and was particularly well-known in South Wales. He was a prominent Freemason.

HASLAM.—On January 8, suddenly, Mr. Thomas Haslam, M.P.S., 6 Manor Road Blackpool, aged fifty-seven. A native of Blackburn, Mr. Haslam later owned a business in Blackpool, retiring in 1947 because of ill-health.

PEARCE.—On January 8, Mr. Seymour Rowland Pearce, Ph.C., 129 Pathfield Road, Streatham, London, S.W.16. Mr. Pearce qualified as a chemist and druggist in 1893 and passed the Pharmaceutical Chemist examination in 1895.

PICKERING.—On January 6, Mr. Charles Edward Pickering, Blenheim Road, Lingfield, Surrey. Mr. Pickering qualified as a chemist and druggist in 1887. He and his wife celebrated about four years ago (on July 17, 1947) the diamond anniversary of their wedding.

PIKULSKI.—In hospital in Salford, on January 17, Mr. Alexander Pikulski M.P.S., 85 Church Road, Urmston, Manchester, aged fifty-nine. Mr. Pikulski qualified in 1947.

POPLETT.—Recently, Mr. Reginald Poplett, Ph.C., 10 Framfield Road, London N.5. Mr. Poplett passed the Pharmaceutical Chemist examination in 1948.

ROBINSON.—On January 17, Mr. Leslie Hicks Robinson, M.P.S., 1 Glenbeck Road Whitefield, Lancs, aged thirty-eight. Mr. Robinson was manager of the medical department of Pharmaceutical Laboratorie Geigy, Ltd.

SHACKLETON.—Recently, Mr. William Shackleton, M.P.S., 103 Eaton Road Liverpool, 12, aged seventy-four. Mr. Shackleton qualified at Edinburgh in 1924 and, after working for a number of years in Liverpool, bought the business in Eaton Road, then a druggists' shop, in 1921. He was actively engaged in the business until within three days of his death.

SPENCER.—On December 13, Mr. Francis Lawrence Spencer, M.P.S., 165 Whit Lane, Gleadless, Sheffield. Mr. Spence qualified in 1922.

WILLIAMS.—On December 22, Mr. William Williams, Ph.C., 105 Coldershaw Road, West Ealing, London, W.13, aged eighty-three.

PERSONALITIES

SIR EDWARD MELLANBY, until his retirement recently secretary of the Medical Research Council, has been appointed director of the Central Drug Research Institute, Lucknow, India.

MR. A. J. BLACK, the newly elected chairman of the Toilet Preparations and Perfumery Manufacturers' Federation, is a founder member of the Federation and has been its vice-chairman for the past three years. Managing director of Lehn & Fink, Ltd., and Dorothy Gray, Ltd., since 1941, Mr. Black first joined the company as secretary twenty-seven years ago. He is now also a director of Schulke & Mayr A.G., Hamburg (who represent Lehn & Fink in Germany). He is chairman of the Merton, Morden and Wimbledon youth employment committee.

MR. W. C. HUMPHRIES (chairman of the Liverpool Pharmaceutical Committee) wishes to thank warmly the chemists, their assistants, the wholesalers, and everyone else connected with the pharmaceutical service in Liverpool for the way they collaborated to cope with the work caused by the recent influenza epidemic.

MR. ERNEST F. LLOYD, M.P.S., managing director of Howard Lloyd & Co., Ltd., Leicester, has

retired after fifty-four years' continuous service. He joined the firm (then T. Howard Lloyd & Co.), founded by his father, on his seventeenth birthday. During this period he says he has seen great developments in the pill and tablet trade in which the company has always been interested.



MR. F. S. GORRILL, M.D., M.R.C.P., F.R.C.S., who has been appointed deputy medical director, Evans Biological Institute (see p. 134), qualified from King's College, London and Charing Cross hospitals. From 1942-45 Dr. Gorrill was seconded from the R.A.M.C. to act as director of research at the Australian Field Experimental Station connected with chemical warfare. Since 1946 he has been a lecturer in physiology at King's College and engaged in pharmacological research at the Royal College of Surgeons.

COMING EVENTS

Monday, February 5

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Dr. W. A. Timmerman (Director of the Division of Therapeutic Substances, World Health Organisation) on "The Work of the World Health Organisation."

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Central Library, Beckenham, Kent, at 8 p.m. Sound films, "Coramine—its Pharmacology and Clinical Use" and "The Use of Percorten in the Treatment of Rheumatoid Arthritis," presented by Mr. A. R. G. Chamings (manager, Ciba Laboratories, Ltd.) and address.

Tuesday, February 6

PHYSICAL METHODS GROUP, SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS, Iron and Steel Institute, 4 Grosvenor Gardens, London, S.W.1, at 6.30 p.m. Papers on x-ray analysis.

BRIGHTON AND HOVE ASSOCIATION OF PHARMACY, Royal Albion Hotel, Brighton, at 8.15 p.m. Address by Miss D. Murgatroyd (superintendent, South-eastern Pricing Bureau).

SOUTH EAST LONDON BRANCH, NATIONAL PHARMACEUTICAL UNION, Grove Tavern, 26 Camberwell Grove, London, S.E.5, at 7.30 p.m. Meeting.

Wednesday, February 7

UNIVERSITY OF LONDON, School of Pharmacy, 17 Bloomsbury Square, London, W.C.1, at 5.30 p.m. Dr. E. Lester Smith on "The Isolation, Properties and Functions of Vitamin B₁₂" (first of two lectures). (Second lecture at the same place and time on February 8.)

Thursday, February 8

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole Hotel, King Street, Leeds, at 7.30 p.m. Mr. A. A. Meldrum (president of the Society) on "Current Pharmaceutical Problems."

MANCHESTER PHARMACEUTICAL ASSOCIATION and BRANCH, Midland Hotel, Manchester, at 7.45 p.m. Mr. F. W. Adams (registrar of the Pharmaceutical Society) on "The Ethics of Pharmacy."

LIVERPOOL CHEMISTS' ASSOCIATION and BRANCH, Radiant House, Bold Street, Liverpool, at 8.30 p.m. Mr. C. Beaven, Ph.C. (Parke, Davis & Co.), on "Chloromycetin—The First Synthetic Antibiotic" (illustrated) and film.

Friday, February 9

HULL CHEMISTS' ASSOCIATION and BRANCH, Imperial Hotel, Leeds, at 8 p.m. Film show "Birth of a Drug," "Control of Infection in Surgical Dressings" and "Man Against Insect."

TRADE NOTES

Price List.—L. Light & Co., Ltd., Pyle Trading Estate, Colnbrook, nr. Slough, Bucks, have issued their 1951 list of fine organic chemicals, numbering over 1,800 items.

Meeting the Demand.—Don S. Momand, Ltd., 57 Albany Street, London, N.W.1, have engaged extra staff to deal with increased sales of Alka-Seltzer, Clinitest and Dentesive products.

Now Available in Jars.—Dixor, Ltd., St. Leonard's Works, Mortlake, London, S.W.14, illustrate on another page the jar in which Velouty de Dixor powder cream is now available (in display cartons of six jars).

Change of Formula.—Abbott Laboratories, Ltd., Wadsworth Road, Perivale, Greenford, Middlesex, announce that the formula of Penta Kaps has been altered. The product issued under new formula will be known as Penta Kaps improved.

Information Cards.—On cards that may be cut down into a series of standard filing cards, Forsters (Pharmaceuticals), Ltd., Seaham, co. Durham, issue details to doctors of ethical pharmaceutical products manufactured by the company. The service is available to pharmacists also.

Skin Cream in New Size.—D. & W. Gibbs, Ltd., 3 Salisbury Square, London, E.C.4, are issuing their Astral skin cream in a new handy size to meet a demand for skin creams in low-priced units. The new size is sent out in outers of three doz. tins at terms given in the company's recently issued price list.

Non-darkening Face Powder.—The tendency for face powder to darken on the skin after application is countered in a new-formula Three Flowers face powder issued by Richard Hudnut, Ltd., Power Road, London, W.4, and now being widely advertised under the slogan Top-Tone shade control. "Top-tone control" is claimed to give greater skin-coverage also.

Liquid Lanolin.—Fluilan, a mixture of the liquid neutral esters of neutral wool-fat, is being marketed by Croda, Ltd., Snaith, Goole, Yorks. Fluilan is a yellow viscous liquid of similar odour to ordinary lanolin. It makes available the water-in-oil emulsifying properties of lanolin in a liquid that can be dissolved in mineral oils in the cold without separation, yielding clear transparent products.

New Styles in Sunglasses.—Thurg Bollé Successors, Ltd., Orient House, Wellingborough, Northants, have included number of new designs in their 1951 range.



of sunglasses. In many of the new models the accent is on the upsweeping effect of the ornamental frames. The Bollé sunglasses are available in a wide range of colours. Mirrored display cabinets, which they may be shown to advantage, are available on request. The company London showroom is at 96 Regent Street, W.1.

Deoxycortone Acetate.—Prices of deoxycortone acetate and glycoside in strengths and packs were reduced on February 1. The products affected include Cortiron (BRITISH SCHERING LTD., 2, Kensington High Street, London W.8); Percorten (CIBA LABORATORIES, LTD., Hoyle, Sussex); Menstrogen and other D.O.C.A. preparations (ORGANON LABORATORIES, LTD., Brettenham House, Lancaster Place, London, W.C.2); and Syncort (ROUSSEL LABORATORIES, LTD., 4 Goldsmiths' Square, London, W.1).

New Antihistamine.—William Warner & Co., Ltd., Power Road, London W.4, announce the introduction of a new antihistaminic preparation: Diatrin. The advantages claimed are low toxicity, mild effect on the central nervous system, minimum side-effects and marked antihistaminic properties. Diatrin is being extensively publicised in the medical Press and regular circularisation to practitioners. It is presented in bottles of twenty and 25 sugar-coated oral tablets each containing 50 mgm.

Antimalarial Speciality.—Pharmaceutical Specialities (May & Baker), Ltd., Da-

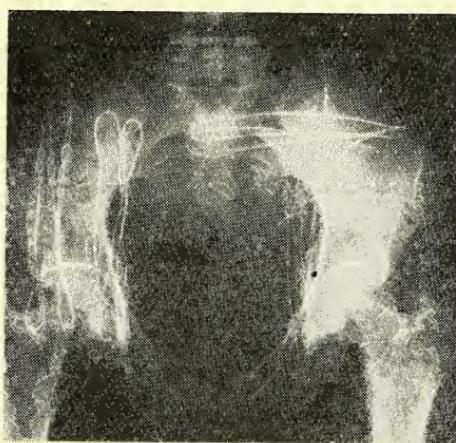
nham, Essex, announce the introduction of Nivaquine brand chloroquine sulphate for the prevention and treatment of malaria. Clinical manifestations of all types of infection are understood to be rapidly and effectively suppressed with chloroquine, and the compound has radical curative properties in the treatment of malignant tertian infections. It has also been found effective in extra-intestinal amoebiasis. Nivaquine is issued in ten and 500 tablets each containing 150 mgm. of base.

A Multipurpose Rose Lotion.—A new cosmetic preparation, Goya rose lotion, incorporates the features sought in two types of beauty product most in demand from customers as additions to the range of Goya, Ltd., 161 New Bond Street, London, W.1: A cleanser (cream or liquid), and a night cream or skin food. The company's chief chemist has taken the view that, whereas one type of oil is normally used in a cleanser and another in a skin food, the blend of oils he has used in this lotion is equally suitable for both purposes. The oils are blended into a neutral emulsion and perfumed with otto of rose. A percentage of cholesterol and ultra-violet-ray screen are included. This lotion may also be used as a softening hand lotion, or as an all-over body rub. Being homogenised it penetrates deeply into the pores. It offers protection against sunburn. The pack is a 3-oz. bottle.

Price Changes.—ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2, announce that, owing to rising costs, it has become necessary to increase the prices of Allenburys and "own-name" malt products. The new prices became effective on February 1, and are being charged on all orders dispatched on and after February 5, 1951.—CASTLE HUSKISSON, LTD., manufacturing chemists, Swinton Works, Swan Street, Islington, London, N.1, announce a reduction in prices to wholesalers for bulk capsules vitamin A, B.P.C. (N.F.); vitamins A. and D., B.P.C. (N.F.); and capsules vitaminorum, B.P.C. (N.F.), castle brand.—CHESEBROUGH MANUFACTURING CO., LTD., Victoria Road, Willesden, N.W.10, have revised the prices of their Vaseline Blue Seal, yellow and white petroleum jellies. Details of the new prices, which took effect on February 1, are given on another page.—COLGATE-PALM-IVE-PEET, LTD., 145 Charing Cross Road, London, W.C.2, state that a new line for Cue hair dressing comes into operation on February 3.—DENDRON DIS-

TRIBUTORS, LTD., 3 Fleet Lane, London, E.C.4, gave effect on February 1 to increased prices for D.D.D. prescription, D.D.D. balm and Koko cream shampoo (small tube); the increase in basic D.D.D. prices is the first in over thirty-five years:—INTERNATIONAL CHEMICAL CO., LTD., Chenies Street, London, W.C.1, have advised pharmacists by letter of the new prices for Anadin tablets, Bisodol tablets and Pineate honey cough-syrup. The prices became effective on February 1.—Pifco hair dryer, manufactured by PIFCO, LTD., 59 Great Eastern Street, London, E.C.2, has been increased in price.—PIN-UP COLD PERM WAVE LABORATORIES, 59 Park Royal Road, London, N.W.10, increased the prices of Pin-up refills and junior outfits on January 25.—A. & R. SCOTT, LTD., West Mills, Colinton, Edinburgh announce increased prices for Scott's M.O.F. Scott's baby cereal (oat and twin-pack), Scott's strained foods and Inglis food. The new prices became operative on January 29.

Detectable Swabs.—Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks, have recently commenced the manufacture of a gauze swab, developed by their American associates, that incorporates a filament heat-sealed to the inner folds of the gauze and containing a concentration of x-ray grade barium sulphate (clearly visible on



the x-ray plate). The filament is non-toxic, non-abrasive, soft and flexible and is not affected by sterilisation. At present the x-ray filament is available only in a 4 in. x 3 in. 32-ply B.P.C. gauze swab under the trade mark Ray-Tec.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Additions to Protected List (Part 1).

Thomas Marns, Ltd., Iron-Ox tablets, 12s. 6d. doz., tax 33½ per cent., inclusive retail price 1s. 9d.; 30s. 6d. doz., tax 33½ per cent., i.r.p. 4s. 3d.; 51s. doz., tax 33½ per cent., i.r.p. 7s. 1d. Juno-Junipah salts or tablets, 18s. doz., tax 33½ per cent., i.r.p. 2s. 6d. Noxacorn corn remover, 14s. 3d. doz., tax 33½ per cent., i.r.p. 2s.

Alterations to Protected List (Part 1).

Thermogene Co., Ltd. (agents: *J. C. Eno, Ltd.*), Thermogene vapour rub, 12s. 3d. doz., tax 33½ per cent., inclusive retail price 1s. 9d. Thermogene rub for children, 12s. 3d. doz., tax 33½ per cent., i.r.p. 1s. 9d.

Wright, Layman & Umney, Ltd., Blacfrutex cough linctus, 9s. doz., tax 33½ per cent., i.r.p. 1s. 6½d. Garlixa cough elixir, 7s. 6d. doz., tax 33½ per cent., i.r.p. 1s. 5d.; 10s. 9d. doz., tax 33½ per cent., i.r.p. 2s. 1d. Wright's lysol, 2-oz., 5s. 9d. doz., 8½d.; 4-oz., 8s. doz., 1s. 1d. (exempt). Wright's malt extract with cod-liver oil, 1-lb., 21s. 6d. doz., 2s. 5d. (exempt); 2-lb., 40s. 6d. doz., 4s. 6d. (exempt). Malt with c.l.o. and iron, 1-lb., 22s. doz., tax 33½ per cent., i.r.p. 3s. 2d.; 2-lb., 41s. 6d. doz., tax 33½ per cent., i.r.p. 6s. Wright's saline effervescing, 10s. 9d. doz., tax 33½ per cent., i.r.p. 1s. 8d.; 16s. 9d. doz., tax 33½ per cent., i.r.p. 2s. 7d.

Beechams Pills, Ltd., Prices in Gt. Britain and Northern Ireland:—Beechams pills, 12s. 3d. doz., tax 22½ per cent., i.r.p. 1s. 8d.; 29s. 3d. doz., tax 33½ per cent., i.r.p. 4s.; smooth coated, 12s. 3d. doz., tax 33½ per cent., i.r.p. 1s. 8d.; 29s. 3d. doz., tax 33½ per cent., i.r.p. 4s. Beechams powders, 12s. 3d. doz., tax 33½ per cent., i.r.p. 1s. 8d.; tablet form, 12s. 3d. doz., tax 33½ per cent., i.r.p. 1s. 8d. The prices of the 6s. 3d. packs of both Beechams pills and powders remain unchanged. Beechams pills in broken bulk will continue to retail at three twists for 3½d., and powders, two for 5½d., including purchase tax.

British Alkaloids, Ltd., T.C.P., 2-oz., 12s. 9d. doz., tax 33½ per cent., i.r.p. 1s. 9d.

Pretested Products, Ltd. (agents, *Thomas Marns, Ltd.*) Carter's little liver pills, 12s. 6d. doz., tax 33½ per cent., i.r.p. 1s. 9d.; 30s. 6d. doz., tax 33½ per cent., i.r.p. 4s. 3d.

Phensic, Ltd. (selling agents, *Veno Dru Co., Ltd.*), Prices in Great Britain and Northern Ireland:—Phensic, 12s. 9d. doz., tax 33½ per cent., i.r.p. 1s. 8d.; 30s. 6d. doz., tax 33½ per cent., i.r.p. 4s. No change in price of broken bulk packs which continue to retail at fourpence per envelope, including purchase tax.

Phosferine (Ashton & Parsons, Ltd.) (selling agents, *Beechams Pills, Ltd.*), Prices in Great Britain and Northern Ireland:—Phosferine (liquid and tablets) 12s. 3d. doz., tax 33½ per cent., i.r.p. 1s. 8d.; 29s. 9d. doz., tax 33½ per cent., i.r.p. 4s. Ashton & Parsons' infants' powders, 12s. 3d. doz., tax 33½ per cent., i.r.p. 1s. 8d.

Veno Drug Co., Ltd., Prices in Great Britain and Northern Ireland:—Dr. Casell's tablets, large size, 30s. 6d. doz., tax 33½ per cent., i.r.p. 4s. Veno's lightning cough mixture, 12s. 9d. doz., tax 33½ per cent., i.r.p. 1s. 8d.; 21s. doz., tax 33½ per cent., i.r.p. 2s. 10d. Germolene ointment, 12s. 9d. doz., tax 33½ per cent., i.r.p. 1s. 8d.; 30s. 6d. doz., tax 33½ per cent., i.r.p. 4s. Germoloids, 14s. 10d. doz., tax 33½ per cent., i.r.p. 2s. Germoplast, 7s. doz., 9d.; 14s. doz., 1s. 6d. (both exempt from tax).

Deletions from Protected List (Part 1)

Leyland and Birmingham Rubber Co. Ltd., Pharmal moulded hot water bottle.

Alterations to Protected List (Part 2)

Addis, Ltd., Wisdom bristle tooth-brush 17s. 11d. doz.; six doz., 17s. 6d. doz. twelve doz., 17s. 1d. doz.; twenty-four doz. 16s. 2d. doz., tax 33½ per cent., i.r.p. 2s. 9d.

Allen & Hanburys, Ltd., Allenbury feeders, 4-oz. and 8-oz. complete, 30s. doz. 3s. 3d.; feeder teats, standard type, 5s. 4d. doz., 7d.; cleft palate type, 20s. doz. 2s. 2d.; feeder valves, 4s. 5d. doz., 6d. (all exempt from tax).

A Wander, Ltd., Ovaltine, 14s. 5d. doz. 1s. 6d.; 24s. doz., 2s. 6d.; 43s. 3d. doz. 4s. 6d. (all exempt from tax).

James B. Williams Co. (England), Ltd. (agents: *Scott & Bowne, Ltd.*), William luxury shaving cream, 14s. 5d. doz., tax 33½ per cent., i.r.p. 2s.; Esquire brushles shaving-cream, 14s. 5d. doz., tax 33½ per cent., i.r.p. 2s.

Chas. H. Phillips Chemical Co., Ltd. Prices in Republic of Ireland:—Phillip

ental magnesia (regd.) tooth-paste, 6s. 6d. oz.; 9d.; 11s. 9d. doz., 1s. 4d.; 18s. 6d. oz.

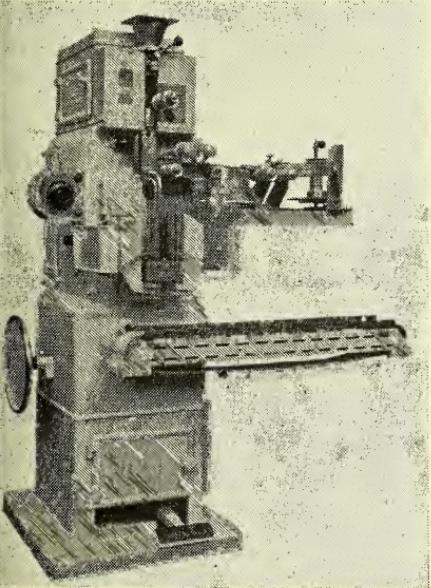
Crystal Products Co., Ltd., increases as from January 15, Outdoor Girl olive-oil beauty preparations (vanishing, four-purpose, cold and powder creams, de luxe, 10s. 1od. doz., tax 100 per cent., i.r.p. 2s. 3d. Mascara, 8s. 6d. doz., tax 100 per cent., i.r.p. 1s. 9d.

Fasteeth-Clark Cleveland, Inc. (agents, *Thomas Marns, Ltd.*), Fasteeth denture adhesive: 5s. 4d. doz., 8d.; 14s. doz., 5s. 9d.; 22s. doz., 2s. 9d. (all exempt from x).

McCaw, Stevenson & Orr, Ltd., Amended prices: Seccotine, 8s. doz.; up to five oz., 7s. 9d. doz; six doz. to eleven doz., 6d. doz.; retail price 1s. (exempt from x).

LABELS POSITIONED BY PHOTO-CELL

An ingenious application of the technique of photo-electric control has been incorporated in a prototype of the patented vertical packaging machines issued by Ivers-Lee (Great Britain), Ltd., Slough, for (a) powders and creams, and (b) tablets, pills,



capsules (the models differ in type of hopper and hopper-feed employed). Under the method of packaging effected by the machine, measured quantities of material

Pretested Products, Ltd. (agents, *Thomas Marns, Ltd.*), Increases as from January 12: Arrid cream deodorant, 19s. 6d. doz., tax 33½ per cent., i.r.p. 2s. 9d.

Thos. Reid & Sons, Ltd., Bamyl pine-tar liquid shampoo, 4-oz., 14s. 6d. doz., tax 33½ per cent., i.r.p. 2s.; new size, 2½-oz., 9s. doz., tax 33½ per cent., i.r.p. 1s. 3d.

Tokalon, Ltd., Face powder, 6s. 4d. doz., tax 100 per cent., i.r.p. 1s. 3d. 11s. 4d. doz., tax 100 per cent., i.r.p. 2s. 3d. £3 orders through wholesalers:—6s. 1d. and 10s. 11d. doz., respectively.

Henry C. Miner, Ltd., increased prices, January 15:—Nail lacquer, 10s. 1od. doz., tax 100 per cent., i.r.p. 2s. 3d., stick make-up refills (small), 6s. 2d. doz., tax 100 per cent., i.r.p. 1s. 3d. Lipstick (small) 6s. 2d. doz., tax 100 per cent., i.r.p. 1s. 3d.

LABELS POSITIONED BY PHOTO-CELL

are automatically withdrawn from the hopper and discharged into packages made on the machine from reels of heat-sealing material such as cellulose film, foil or coated paper (carried on the arm seen projecting at the right of the illustration). Simultaneously, the top of the previous packet (now filled) is closed with an overlapping seal. At the next station the package is sheared off by a blade and falls on to a conveyor belt below. As the reels of material are supplied pre-printed with trade mark instructions, etc., it is important for the printing to be accurately centralised with the outside edges of the pack.

Minute variations caused by strain on the packaging material, etc., may result in a considerable and cumulative error. To guard against such variations it was formerly necessary for the machine operator to keep constant watch and make appropriate adjustments. In the new models a photo-electric device developed by Radiovisor Parent, Ltd., London, N.W.1, is incorporated, and the task is performed automatically by the machine. The Radiovisor unit projects a spot of light on to the surface at an angle of 45°, and the beam is reflected upwards to a photo-electric cell. When a predetermined registration mark comes under light, the intensity of reflection on the photo-cell is diminished. The change in intensity actuates the control unit, and that, in turn, controls the mechanical device by which the material is pulled from the reel. The result is that the printing is always in the correct position.

THE WEEK IN PARLIAMENT

MR. H. RHODES (Parliamentary Secretary to the Board of Trade) told MR. MAURICE EDELMAN at question time on January 23 that imported commodities purchased by the Board of Trade included sulphur, pyrites, phosphate rock, superphosphates and potash. Requirements of pyrites were covered until the end of 1951, but imports of sulphur depended on the allocations obtained from the U.S.A.

National Health Service

DR. A. D. D. BROUGHTON asked the Minister of Health on January 24 what was the number of prescriptions, form E.C.10, issued to patients during the twelve months up to the most convenient date, and what was the total cost of providing the drugs and dressings prescribed thereon. MR. H. A. MARQUAND (Minister of Health) replied that the number of National Health Service prescriptions dispensed by chemists in the twelve months ended November 30, 1950, was 216,795,000. The estimated cost was £33,517,000.

Deaths from Influenza in Liverpool

MR. H. A. MARQUAND (Minister of Health) told MRS. E. M. BRADDOCK on January 25 that there were 949 deaths from all causes registered in Liverpool in the week ending January 13. Of the 21 deaths for which influenza was mentioned on the death certificate, 146 were of people aged sixty-five and over. The greatest number of deaths from all causes in Liverpool in one week during the influenza epidemic that prevailed throughout the country in 1919 was 642.

MR. ANTHONY GREENWOOD asked the Minister of Health on January 25, whether arrangements would be completed for the central purchasing of bedding and cotton and woollen textiles for hospitals, and whether those supplies would be available to hospitals free of purchase tax. MR. MARQUAND replied that the arrangements were still under consideration, but central contracts for mattresses should be placed within six months. The contracts were on a tax-free basis.

MR. LYTTELTON ON PRICE MAINTENANCE

In his address at the Chemists Federation luncheon on January 25 (report, p. 144), Mr. Oliver Lyttelton, an industrialist and Conservative "front-bencher" in the House of Commons, devoted much of his time to the important subject of resale price maintenance.

"There are few subjects," he said, "about which it is easier to raise prejudice than resale price maintenance. The picture often drawn by its critics is of a closed trade ring that prevents entry into an industry, exploits the public by charging exorbitant prices, 'blacklists' those who sell below the fixed price, and pays extravagant bonuses to those who remain loyal to one article in the field." It had to be recognised that abuses in the field of resale price maintenance could easily exist, and that the defence that the price was low and the profit small and justifiable was not the whole answer. "Where they can be shown to exist, traders should be prepared to eliminate abuses, and that will only be achieved if our inquiries into the subject are objective." Sometimes resale price maintenance was a custom, a habit of the buyer, and no agreement was required to sustain it. It would indeed be quite ridiculous if, at the bookstall in the

morning, it became necessary to bid for the paper one wished to read. It was often overlooked that resale price maintenance was much more than a protection to the manufacturer. It also protected the worker in the industry. One duty of trade unions was a sort of resale price maintenance over the price of labour.

A problem of the 20th century was to promote healthy competition whilst avoiding the effect of chaotic price-cutting upon the producer and preventing the consumer from being exploited. In most States of America the price of a branded article could not legally be cut if the price was marked on the package, and he thought that that measure might well be considered in Britain. There was common ground amongst all informed opinion, that manufacturer had the right to dictate the price at which his own commodity should sell. Controversy began when all the manufacturers of a particular article maintained the same price. That was often beneficial but there must be safeguards. It should be possible, given goodwill, to work out a system that would retain the benefits of price maintenance and make impossible the abuses that might have crept in during the years.

COSMETIC MANUFACTURERS' LUNCHEON

At a luncheon that followed the sixth annual meeting of the Toilet Preparations and Perfumery Manufacturers' Federation of Great Britain, Ltd., in London on January 24, the president (Mr. A. F. Gunning) occupied the chair and the Parliamentary secretary to the Board of Trade (Mr. Hervey Rhodes, D.F.C., M.P.) was the guest speaker.

Relations With Board of Trade

MR. GUNNING said that members had hoped Mr. Harold Wilson (President of the Board of Trade) would be present, but additional work occasioned by the international situation had made that impossible.

Giving a review of the Federation's relations with the Board of Trade since its foundation, Mr. Gunning said that at one stage of the 1939-45 war the Government had regarded the industry as unnecessary, but public relations officers of the Board of Trade had reported a loss of efficiency among women workers when cosmetics were denied them, and their reports had brought about a change of attitude. One outcome had been the formation of an advisory council for the industry. Trading conditions improved after the war, but there was now a prospect of new restrictions, which members must meet with the same ingenuity, patience and, if necessary, urgent protests as on the earlier occasion. The industry had a truly remarkable record of export performance. To maintain that record it would need assured supplies of raw and packaging materials, and the Government would need to recognise that a healthy home market was necessary. The manufacturers would be encouraged were they to hear that an easement of purchase tax could be looked for.

Production Statistics

Responding to the toast "The Guests," MR. HERVEY RHODES said: "Since I accepted your invitation I have been making a few inquiries about the statistics for our industry. I find that it has increased its production considerably since the end of the war; in fact, during the year ended August 1950, the value of the industry's production was nearly £18 millions, against £11 millions for 1946 and £10½ millions in 1939. I agree that the industry is doing a good job by way of export, since the percentage of exports to total

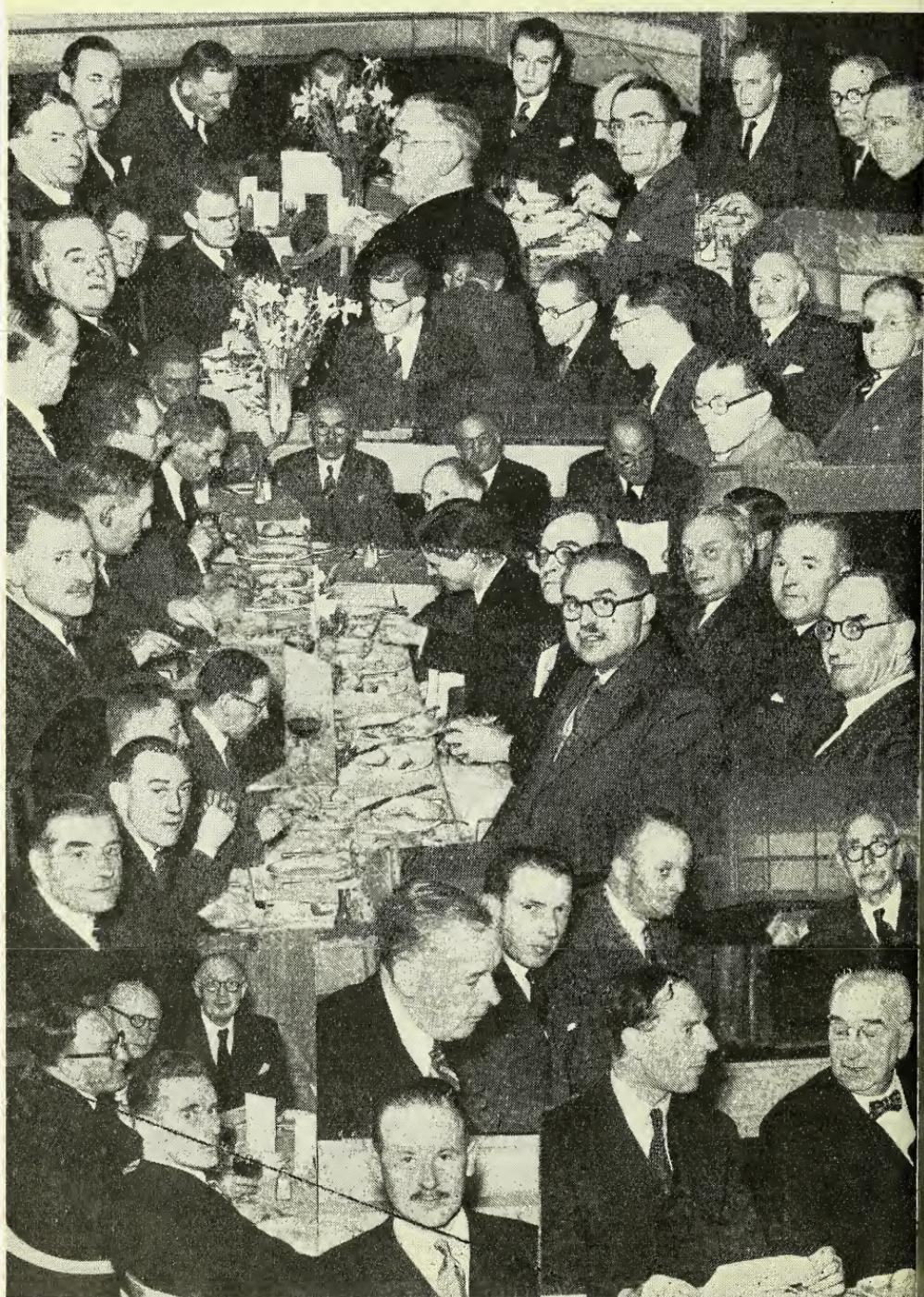
production was nearly 20 per cent, for the year ended August 1950, against only about 10 per cent. before the war. At the Board of Trade we are alive to the advantages that there can be when the various firms in an industry unite into a Trade Association for common purposes. The Board of Trade, in common with many other Departments, has received a great deal of assistance and co-operation from many trade associations for some considerable time past. And I can confirm also that, if the goodwill and mutual understanding have been of benefit to the industry, no less has it been so to the Board of Trade. We prefer to work together so that difficulties can be overcome by discussion rather than by enforcement, and that applies not less but more strongly when restrictions have to be applied. Mr. Gunning has asked for some assurance about the necessary materials for the industry. I am afraid that the industry will be affected indirectly by certain raw material shortages, for example, zinc, brass and sulphur, and I am afraid I cannot give any guarantee about supplies of such raw materials. The amount we have available for all purposes is strictly limited by the allocations we receive from abroad, and if those allocations are less than our recent rate of consumption, then some cuts in consumption must be made. However, any representations made to the Board of Trade will be given full, careful and fair consideration."

Tribute to New Chairman

The Parliamentary Secretary left early, and MR. L. J. MATCHAN took advantage of the opportunity to pay tribute to the incoming chairman of the Federation: Mr. A. J. Black. Mr. Black, he said, had been engaged in the industry and in disinfectant manufacture for twenty-seven years. He first came into prominence in the Federation when he was co-opted on to its council as a representative of the "smaller manufacturers." He had been largely responsible for the original conception of the "£ for £" bonus scheme.

MR. BLACK acknowledged the tribute. Cosmetics, he said, had been shown to be essential for the well-being of the community, and one of his aims would be to bring about a reduction in the present penal rate of purchase tax on the products of the industry.

CHEMISTS FEDERATION MANUFACTURERS' CONFERENCE



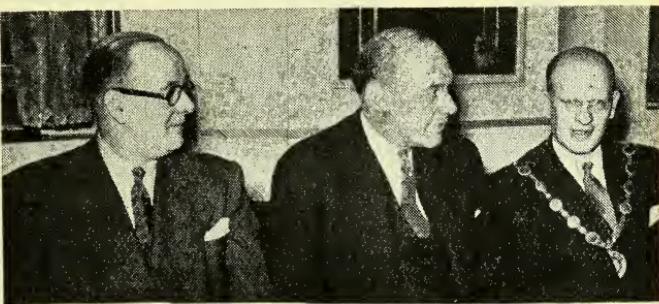
LUNCHEON

THE Chemists Federation's fifteenth annual luncheon to C.F. manufacturers, held in London on January 25, was attended by manufacturers', wholesalers' and retailers' representatives on the C.F. Council, by the representatives of the manufacturer members of the Federation, and by distinguished guests by invitation, including Mr. J. C. Cripps (founder-president of the Federation), Dr. J. Hastings Harrison, Mr. F. W. Adams (registrar of the Pharmaceutical Society) and the guest speakers. The toast "Our Guests" was proposed by Mr. NORMAN DEWEY, who said that the object of the Federation was to see that goods of pharmaceutical kind were distributed by people trained in pharmacy. The work entailed in drawing up its rules and regulations was done by specialist staffs of companies, who gave freely of their knowledge and time so that the public could enjoy the fruits of protection provided by the Federation. MR. OLIVER LYTTELTON, D.S.O., M.C., M.P., replied. The work of the C.F., he said, should command the support of all parties and people, as it was designed for the protection of the public. Mr. Lyttelton also spoke on resale price maintenance (see p. 142).

The toast "The Chemists Federation" was proposed by Mr. HUGH N. LINSTEAD, O.B.E., Ph.C., M.P. He said there was risk that the National Health Service might be impaired by unconsidered acts of the Government. In 1911 there would have been no effective National Health Insurance unless, through the work of the late Sir William Glyn-Jones, there had been in existence a reasonably prosperous pharmaceutical industry.

MR. E. A. BROCKLEHURST (president of the Federation), who responded to the toast, declared that no organisation was doing more valuable work for pharmacy than the Federation.

THE ILLUSTRATIONS. At left: Hosts and guests at many tables. At right, in order from top: Mr. Norman Dewey, who proposed "The Guests," Mr. Oliver Lyttelton, D.S.O., M.C., M.P., who replied, and Mr. E. A. Brocklehurst (C.F. president). Mr. Hugh N. Linstead, O.B.E., M.P., who proposed "The Chemists Federation" and Mr. H. Kemp (C.F. secretary). Mr. H. Noble (secretary, National Pharmaceutical Union) and Mr. F. W. Adams (registrar, Pharmaceutical Society). Mr. C. A. Quinn (chairman, Ulster Chemists' Association) and Mr. S. M. Lennox. Mr. P. H. Smith and Miss A. E. Strachan (U.C.A. secretary).





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OL. CLV FEBRUARY 3, 1951 No. 3702

Mainly Temporising

THE interim report of the Council of the Pharmaceutical Society (p. 150) on the resolutions carried at the Branch Representatives' meeting in May 1950, is likely to give but give scant satisfaction to those who debated the motions so keenly nine months ago. The creature of that gestation period is clearly no love-child. Few of the proposals have been wholeheartedly adopted. Others are accepted with somewhat pouchy reservations, as if the Council was saying "Very well, but if things fail to turn out all right, don't say we haven't warned you." A few of the resolutions are rejected, with or without reasons stated, and one or two are just "noted," whatever that means.

On the whole, the statement is at its most acceptable when the decision reached is most fully explained, and it is to be urged that full explanation is no mere courtesy but something the Branch Representatives are entitled to receive. Uncritical acceptance of the resolutions is scarcely expected. By the same token, however, members are justified in rejecting mere pinions, such as the view that a change of nomenclature whenever a preparation materially altered would increase instead of reducing confusion. Is not the opinion of members whose resolution is prompted by their own experience in the pharmacy more valid, until contrary evidence is brought forward, or examples cited, than that of the Council round its table?

Less likely to be reopened is the question of reporting back to branches upon resolu-

tions—for the very reason that what might be termed the "copyright" position is now adequately explained. The resolutions are the property of the Representatives' meeting, and to that meeting and no other body the people who handle them are answerable. "Reconsideration" is the word the Council has used in dealing with the question of holding two such meetings a year, and it is easy to see that here the Council is on the horns of a dilemma. The branches want the meeting at the period of the Society's annual meeting. The Council seeks to maintain the popularity and financial success of the British Pharmaceutical Conference, and holding a Branch Representatives' meeting during Conference week is one method of doing that. There are not enough Branch-sponsored subjects for two meetings, and the supply of Council sponsored-subjects is running a little thin. Therefore one meeting may have to be cut out. That is the logic of the position. But which meeting to cut? The unpleasant decision is postponed. Eventually, we have no doubt, the Branches will gain the day.

Upon one resolution the statement appears equivocal and disingenuous. Nobody doubts that the Council in its reports must stop short of giving information prejudicial to the effective discharge of its duties. The substance of members' charge is, however, that the omission of essential details such as voting figures is prejudicial to the effective discharge of their own responsibilities as members and electors. It is not enough that a Councillor can register his dissent, because the psychological effect of one member's expressed dissent may be very different from the effect of comparing the number of votes cast "for" with the number of votes cast "against" on any subject. The one or two rebels are, moreover, usually well known, but who is to know whether the silent ciphers of the Council are good committee men or mere nonentities—whether they deserve at election time to be voted back or voted out? All told, there are enough "matters arising" from the interim report to ensure lively debate at one meeting at least of the Branch Representatives: the next.

Employee Tenants

A DECISION recently given by the Court of Appeal deals with the position of an employer who provides living accommodation on premises owned by the employer, on condition that the landlord should be entitled to determine the tenancy if and when the tenant ceased to be in his employment. Usually premises occupied by the tenant are controlled by the Rent Restriction Acts and the question was whether the tenant was entitled to ignore the condition—whether, in fact, he enjoyed the fullest protection of the Acts.

In the case in question the tenant was in the employment of an engineering company associated with another company which actually granted the tenancy. The material condition was that the tenancy should be conditional on the tenant's being and continuing in the employment of the engineering company, and that if that should cease for any reason whatsoever his tenancy of the premises should automatically come to an end. When, of his own free will, the tenant left the employment of the engineering company the landlord accordingly sought possession of his premises. Under the Rent Acts, one of the grounds on which a Court is entitled to order possession is that the tenant has broken an obligation of the tenancy and it was argued that the condition referred to was such an obligation. The court rejected the argument. In the court's view "an obligation of the tenancy" meant an obligation that was binding on the tenant as a tenant, and not merely one that was binding on him as an individual. The obligation entered into not to leave the employment of the engineering company was held to have nothing to do with the tenancy as a tenancy.

It may be pointed out that to have permitted the landlord to obtain possession because the tenant ceased to be in a certain employment would have been to add another ground to those on which possession can be recovered under the Acts. The effect of the decision is that a landlord who seeks to recover possession under the Acts must bring his case within one or other of the grounds specified in the Schedule to the 1933 Rent Act.

Dispensed Potent Drugs

It was almost inevitable that official action would follow the repeated pleas by corners (see, for example, *C. & D.*, January 20, p. 73) that warnings concerning the dangers to children or dangers of overdoses should be given with certain potent modern medicines obtained on prescription. Most pharmacists would agree that a cautionary label on dispensed medicine would be undesirable, and the course taken by the Ministry of Health (*C. & D.*, January 27, p. 97), in drawing the public attention to the need to pay strict attention to the doctor's instructions, is much to be preferred. The pharmacist is well placed to play a discreet rôle in educating the public in this matter. The casual way in which many patients persist in measuring medicine suggests also that doctors might be advised to prescribe large dose volumes of liquid medicine when those potent drugs are ingredients, provided the dose can be measured in one operation. In that way the risk of overdoses would be reduced.

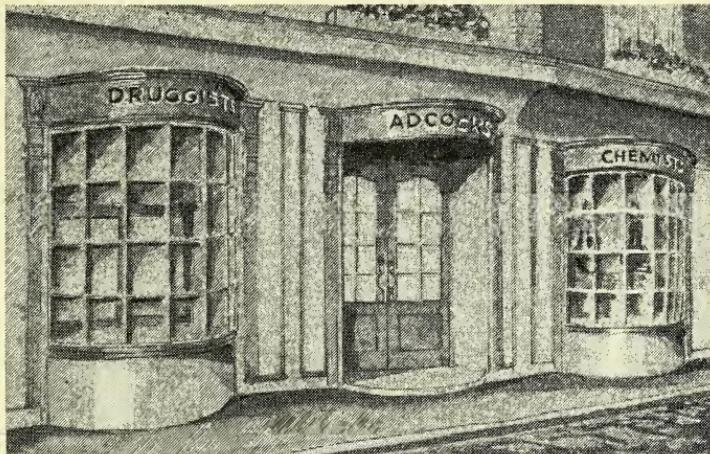
An Outmoded Article?

OUT of the unpromising subject — as research study — of the modern bedpan may come a rerudescence of the more venerable commode. The subject of experiments carried out by three American physicians ("Journal of the American Pharmaceutical Association," 1950, 144, 1443) was not its design, which may be said to have arrived at a static phase of evolution, but its effect on the patient. The method was ingenious, though "early in the investigation there were serious obstacles . . . not the least of them psychogenic and temporal." In outline, the method was to record respiration on the rotating drum of a respirometer behind a screen in front of which the patient simulated defaecation by "bearing-down" manoeuvres. The finding was that energy expenditure in terms of oxygen consumption above resting levels was consistently higher on the bedpan than on the bedside commode (in cardiac patients, 50.7 per cent. against 48.4 per cent.). For certain classes of patient, of course, there is no alternative to the bedpan.

A SHOPFITTING PROBLEM SOLVED

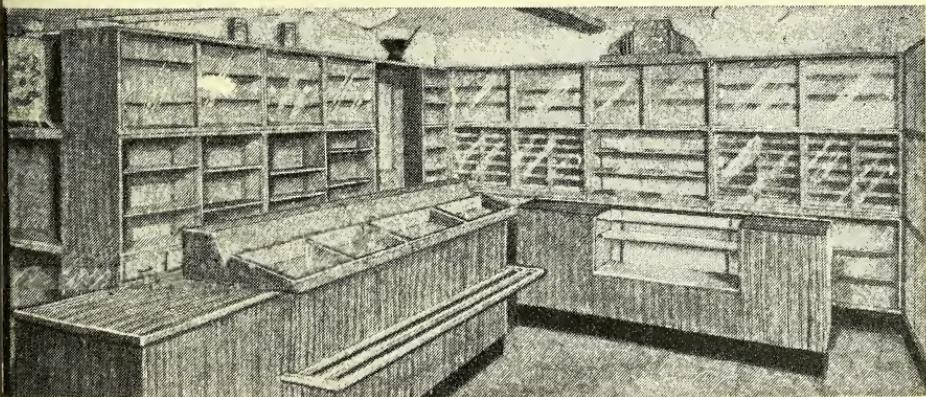
In adding next-door premises to his pharmacy at High Street, Lecester, Warwickshire—a small old-world town near Evesham and Stratford-on-Avon—Mr. V. D. Adcock, F.P.S., was faced with the problem what to do with the handsome existing bow window. Indeed he received many anxious inquiries about its fate, and decided, for reasons of local prestige, to make the shopfront look like one whole, incorporating the existing design. The admirable way in which the intention was carried out is illustrated above.

To cope with a busy trade an interior party wall had to be removed, without, however, lessening the professional aspect of the pharmacy as it was. The wall cases installed were of walnut, open to shoulder level and covered with glass slides above, giving ample provision for proprietaries, cosmetics, etc. The main counter is "solid," with sloping display trays, and a rail along the front for baskets and shopping bags. The subsidiary counter has a "tank" showcase, and the backs of both counters are amply supplied with drawers. Behind the counter trays are pigeon-holes for the numerous small items of stock. The wind-



dow enclosure on the shop side is low, and the view from the street is obstructed only by two pear-shaped carboys, while the other window flanks the dispensary and has a window enclosure just high enough to obscure the dispensers from view. The dispensing screen is "open," with showcase front, allowing prescriptions to be handed in yet concealing the ointment section, sink and water heater, and D.D.A. cupboard. Above the dispensary are laboratory pieces, and around the remainder of the shop are properties from the old shop, including a specie jar, leech jars, etc. Heating is by bar heaters set back to the wall cases and thermostatically controlled. Lighting is by six white opal bowls.

The work was carried out by Myers of Old Street, London.



INTERIM REPORT ON MAY 1950 RESOLUTIONS

THE Council of the Pharmaceutical Society has sent out a report giving branches the result, so far, of its consideration of resolutions passed at the Branch Representatives' meeting in May 1950 (*C. & D.*, 1950 II, 674). The following is a summary of the report:—

Unifying Formularies and Formulas

The Council is alive to the advantages of bringing about unification of formularies as far as possible, and will take such steps as may be practicable towards that end. The Council is satisfied that it would rather increase any confusion that may exist between formulas to adopt the proposal that no preparation should be altered materially without making a change in nomenclature.

Resolutions

(That . . . the discussion in Council and decisions on resolutions passed at this Conference be reported to the next Conference and also to the Branch or Branches promoting the resolution.)

The Council already makes a report to the next corresponding branch Representatives' meeting on the resolutions passed. . . . The resolutions are not resolutions of branches but of the meeting and consequently it is to the branches as a whole that any report should be made. The suggested procedure that the Council should publish its decisions on all motions before the next Branch Representatives' meeting is being adopted.

The Society's Journal

The Council is alive to the need to continue the process of improvement of the "Pharmaceutical Journal" that has been a marked feature since the end of the war, but has no intention of developing it on the lines of a popular magazine; the tendency will be to emphasise its professional character.

Dispensing

The resolution asking that all dispensing in hospitals should be by pharmacists or under the supervision of a pharmacist has been noted. The resolution "That . . . the pharmacist in control of each dispensing unit should be the responsible person with regard to the National Health Service" is generally supported, though it is pointed out that difficulties arise as soon as its practical application is considered, as shown by discussion at a later stage on a motion that the "pharmacist in control"

should be a contractor. The Council continuing to give attention to that matter.

Representatives' Meeting and Conference

The Council has decided to review, in the light of experience, the arrangements of holding two Branch Representative meetings annually (in connection with the annual general meeting and the British Pharmaceutical Conference respectively).

A progress report at the Branch Representatives' meeting held during the Conference would not be of sufficient value to justify its submission, as insufficient time would have elapsed to enable substantial progress to have been made in dealing with resolutions. The Council is favourably disposed to the issue of an interim report at an appropriate time and the publication of a final report sufficient in advance of the next corresponding Branch Representatives' meeting to ensure adequate discussion. The matter is being considered in connection with the review of the present arrangement to hold two Branch Representatives' meetings annually.

Reports of Council Meetings

(That fuller reports of Council meetings should be given in the "Pharmaceutical Journal," and where a vote has been taken, there should be a report of how members of Council voted).

The assumption of the resolution is that members are deprived of information they ought to have about the work of the Council. The Council does not regard that assumption as valid. In the discussion of the motion no evidence was produced to show that decisions taken by the Council on all important matters were not reported. There are various considerations determining whether discussions should be reported, and it is a well-established principle that undue publicity may be prejudicial to the effective discharge of business. In the Council's opinion the reports of Council meetings compare not unfavourably, in amount of information given, with those of comparable bodies. On the question of how members of Council have voted, it is pointed out that a member of Council may always ask that his dissent from a decision should be recorded. Reports follow normal practice in that regard.

Advertising

(That . . . advertising dispensing services off the premises should be strictly prohibited.)

Since that resolution was passed the Statutory Committee has come to a decision on this matter and the situation is being reviewed in the light of that decision. The Council is in communication with the Ministry of Health on the matter of advertising dispensing services under the National Health Service.

Regional Representation

The Council intend to issue a statement indicating their views on the question of electing members of the Council on a regional basis.

Registration of Premises

(1) (That it is the opinion of this meeting that the Society should take steps to obtain jurisdiction over the registration of new premises as pharmacies, and that no such premises should be registered, without reference to the local branch.)

[The motion was not passed by the meeting but was referred to the Council for consideration.]

The Council is considering the extent to which, and the manner in which, control should be exercised over the character of premises in which pharmacy is practised. In the meantime it is proposed to issue to all pharmacists and bodies corporate who are registering new premises a statement with the form of application indicating that the registration of premises does not imply that the Society approves them.

(2) (That occupiers of premises which it is desired to register under the Pharmacy Acts should first give an undertaking that they will observe the provisions of the Statement upon Matters of Professional Conduct.)

Judging by the discussion, the resolution appears to have been based upon a misapprehension that the situation would be substantially changed by adoption of the proposal. Ultimately it is a question for the Statutory Committee to decide whether any conduct amounts to misconduct, and both pharmacists and corporate bodies are equally subject to its control.

Students and Professionalism

With regard to the amendment to the motion that the Statement upon Matters of Professional Conduct should be included in the syllabus for students of pharmacy, which was withdrawn on the understanding that it would be considered by the Council, the syllabus for the new joint qualifying examination contains a provision for reference to the Statement during the course of study.

Revision Courses

Progress in arranging revision courses has been held up pending the completion of changes for pre-qualification training and examination. It is hoped to proceed in the matter shortly.

The resolution that the remuneration of pharmacists should be more closely related to that of allied professions has been noted.

Hospital Out-patients

(That . . . all N.H.S. prescriptions for hospital out-patients should be written on pink E.C.10 forms, so that the patient may have free choice of dispensing service.)

The resolution asks for the same free choice of pharmacist for hospital outpatients as for general practitioner patients. While such an arrangement may be desirable it was not visualised when the claim for free choice of pharmacist was advanced and granted for general practitioners' patients in the N.H.S. Acts. In so far as hospital out-patients can be treated by general practitioners, that is provided for in the arrangements whereby hospital medical staff advise in suitable cases the patient's general practitioner, who then writes an E.C.10 prescription for the patient to be taken in the ordinary way to the pharmacy of the patient's choice. Patients whose treatment needs to be given at the hospital obtain their medicine from the hospital if there are facilities there. If not, an E.C.10 H.P. prescription is written to be taken to the pharmacy of the patient's choice. While it would be possible for E.C.10 H.P. prescriptions to be given at all hospitals, a corollary of that would be that general practitioner patients should be able to have their prescriptions dispensed at hospital pharmacy departments. In all the circumstances the Council are of the opinion that no action should be taken on the resolution.

Man-power Investigation

The Council presented an interim report on man-power at the Branch Representatives' meeting in September 1950 and hopes to publish a further report shortly.

Health Centres

The Council considers that pharmaceutical departments of health centres should be assimilated as far as practicable to private pharmacies in respect of control, and intends to deal with the matter when opportunity for legislation arises.

PHARMACY, X-RAYS, AND THEATRICALS

Mr. F. F. A. Tunbridge, Ph.C., describes his many and varied interests

MY father, Frederick Tunbridge, in 1871 bought an old-established chemist's shop in Castle Street, Reading, and in 1885, in partnership with Mr. J. N. Wright, took over an agricultural chemist's business in Broad Street, Reading's main shopping thoroughfare. Two years later the partnership known as Tunbridge & Wright produced the first sticky fly-paper put up in a saleable form named "The Fly Cemetery," and also Dr. Mackenzie's Catarrh Cure Smelling Bottle which is still universally known. The manufacture of these products was transferred in 1891 to premises in Castle Street formerly occupied by a builder.

After leaving school in 1890, I was apprenticed to Tunbridge & Wright, making horse and pig powder by the hundredweight, and I well remember compounding cattle embrocation, using 120 eggs to the batch! In 1894 I attended the Bloomsbury Square School of Pharmacy for the Minor course (gaining two bronze medals). Not being of age till the following June, I studied at home for three months, rigging up a chemical laboratory in a spare room, and duly scraped through the Minor.

Experiments with x-rays

As I was unable to take the Major course until the next year, I took a temporary job with Woodcock Bros., photographic chemists, Croydon, where we did developing, printing copying and enlarging. While I was there Röntgen published his startling discovery, and as I was intensely interested in everything electrical, I determined to experiment with x-rays at the first opportunity. In 1896 I passed the Major examination, after studying at Bloomsbury Square. I then returned to Tunbridge & Wright, and in my spare time built a six-inch spark coil for x-ray work. I wanted however, to enlarge my pharmaceutical experience, so in November got an engagement with Meacher & Higgins of Crawford

Street, London, W.1, where I gained experience in West-end dispensing, with a contrast on four afternoons a week dispensing at the out-patients' department of the Western Ophthalmic Hospital in Marylebone Road. In June 1897 I was recalled home, as the Broad Street shop was without a qualified manager, and my father was fully occupied with the fly-papers and Mackenzies, as his partner, Mr. Wright, had left in 1896. I then developed the photographic side of the business, and also got together x-ray apparatus (including a 12 in. spark-coil) and circularised the doctors in Reading and district. I was once called upon to attend Sir Benjamin Baker (the designer of the Forth Bridge) who had sustained a broken kneecap. In 1898 The Royal Berks Hospital authorities, realising that the new discovery would be of use to them, decided to call periodically on my services. I used to bring all my apparatus by horse cab, carry it up to the ward, and clamp the tube to the patient's bed. In 1900 the hospital set up its own x-ray department, but I continued to do this work for local doctors for a number of years.

Tooth Extracting

Having determined to take up dentistry as a side line, I read up the subject and in 1904 I got practical experience in extraction and denture making with a chemist and dentist in Wandsworth Bridge Road, London, whom I visited weekly by the half-day excursion.

I had always been keen on dramatic work, and in 1900 started a local dramatic club. In 1902 I wrote, produced and played name part in an illusionary sketch "Arbaces the Magician" which had seven successful performances. I joined the local operatic club, playing Gaspard in "Les Cloches de Corneville," I also took several courses at Henry Neville's Dramatic Studio in Oxford Street, London, again using the halfday excursion. In 1907, as my father had managed to get a qualified man for his Broad Street pharmacy, I joined a provincial touring company for four months, returning then to the pharmacy as our qualified manager had not proved satisfactory. However, I kept up my work in amateur dramatics, joining in succession the local Shakespearean society, Mary Hay players, and lastly the Reading Repertory Company. I became its treasurer in 1936, and re-



mained with them until I retired in 1950.

In 1911, owing to the death of my father's partner in a mineral water factory attached to the Castle Street pharmacy, I used to go first thing each morning to mix the syrups. In the same year, the Broad Street business, which was not paying very well owing to increased competition was closed down.

About the same time a local chemist who did a large wholesale business with small general shops in Reading and neighbourhood in packed and carded goods, had a fire on his premises. The packed goods department was then bought by my father and transferred to our Castle Street factory. I then took over the management of the branch also acting as commercial traveller. There were four town and six country journeys (within a twenty-mile radius). I did one town and one country journey each week, covering the ground by motor bicycle. However, in 1918 owing to shortages in containers and other essentials, the branch was abandoned, and I then went into the Mackenzie business.

In 1915, my father, who had hitherto been the sole owner of this, formed it into a private limited liability company under the name of Dr. Mackenzies Laboratories, Ltd. Mr. Gambles of J. C. Gambles & Co., Ltd., Blackfriars Road, London, who were our wholesale distributors, was a large shareholder. When I came into the business, the production methods were crude and incapable of being speeded up to meet the ever increasing demand. I designed machinery to aid the filling, and reorganised the work generally, so that in a few years we were able to reach the figure of 20,000 doz. bottles annually. My brother, an expert electrician, started the first wireless business in Reading in 1920. This business was owned by my father, and when my brother died in 1927, I was responsible for it until my father's death in 1928. Then as the Mackenzie business was what I was most interested in, and the only department that really paid its way, I disposed of everything else—pharmacy, fly-paper making, radio business, and share in the mineral waters, and devoted my whole time to the Mackenzie company. Mr. Gambles saw to the advertising and sales distribution, while I was in sole charge of the manufacturing. In 1945 our sales reached 45,000 doz., and would have been more except for the shortage of bottles. At the end of 1945 I felt that it was about time to retire, so a new company was

formed with the original name under the auspices of Mr. Gambles and Northam Warren, Ltd. The Mackenzie bottles are now put up in their factory in Slough.

TREATMENT OF ATOMIC WARFARE CASUALTIES

A SYMPOSIUM in the December 1950 issue of the "Practitioner" was devoted to medical aspects of atomic warfare.

Among ways in which an atomic bomb can cause death or injury, flashburn is likely to be met, according to Leader, Williams and Smith, only by people in the open. In clear weather, mild burns on exposed skin may be caused at a distance of two-and-a-half miles from the explosion, the radius being substantially reduced by haze. A suggested classification of casualties is according to dosage of radiation experienced, as follows:—(a) Supralethal (600 roentgen and over)—probable mortality 100 per cent. by the second week; (b) mid-lethal (300-500 r.)—probable mortality 50 per cent by the fourth week; and (c) sub-lethal (100-300 r.)—recovery likely unless the case is complicated by poor previous health, other injuries, or infection.

After classification, which it is urged should be carried out as speedily as possible, therapeutic measures to be applied include possible injection of 5 per cent. glucose with added normal saline to counteract dehydration (avoiding overloading with sodium chloride). The use of antihistamines to treat radiation sickness, and of deoxycorticosterone acetate and pyridoxine, has yet to be justified by results. Infection must be feared and guarded against, and prophylactic doses of antibiotics (ideally aureomycin) should possibly be given as a routine measure. For the prevention of infection in the treatment of flashburn, Bull suggests applying dressings in bacteria-free air in properly ventilated dressing stations. For mass treatment, penicillin cream, 500 units per gm., and the newer antibiotics, such as aureomycin and terramycin, might be used orally. As an emergency procedure easily carried out by non-medical personnel the application of penicillin cream, or tulle gras covered by gauze, is suggested. For burns of the hands, special dressings in the form of a bag or glove (similar to those currently in use by the Royal Air Force) and possibly of a transparent, vapour-permeable plastic containing an antibiotic, might be useful.

GUIDE TO NEW MEDICAMENTS

Information about new proprietary medicaments to be supplied principally on prescriptions. Editorial recommendation is not implied. Reprints obtainable on application.

DEXTRAN—Benger

MANUFACTURER: Benger Laboratories, Ltd., Holmes Chapel, Ches.

DESCRIPTION: A 6 per cent. solution of dextran (a polymer of glucose).

INDICATIONS: As a plasma substitute to restore circulatory volume in haemorrhagic and traumatic shock, burn injuries.

USE: By intravenous injection.

HOW SUPPLIED: In 540-mil standard Medical Research Council blood bottles.

LANDRAX (Cytochrome C, Evans)

MANUFACTURER: Evans Medical Supplies, Ltd., Speke, Liverpool.

DESCRIPTION: An iron porphyrin compound, necessary for the activation of cytochrome oxidase.

INDICATIONS: Conditions associated with tissue anoxia; intermittent claudication; hepatic and tectorial degeneration; chronic muscular diseases.

HOW SUPPLIED: Cartons of six 5-mil ampoules (each containing 50 mgm. in solution).

ADEXOLIN WITH CALCIUM TABLETS

MANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION: Tablets each containing vitamin A, 6,000 units; vitamin D, 1,000 unit and calcium phosphate, 300 mgm.

INDICATIONS: Prophylaxis against colds and chilblains, and as a dietary reinforcement.

DOSAGE: *Adults:* Typically three tablets daily; *Children:* One tablet daily.

HOW SUPPLIED: Bottles of fifty and dispensing packs of 1,000 tablets.

TAORYL

MANUFACTURER: Pharmaceutical Laboratories Geigy, Ltd., National Buildings, Parkstone, Manchester, 3.

DESCRIPTION AND FORMULA: Tablets each containing bis[1-(carbo- β -ethylaminoethoxy-1-phenyl cyclopentane] ethane disulphonate, 10 mgm.

INDICATIONS: Relief of coughs.

DOSAGE: One or two tablets three or four times a day, in nocturnal cough two at bedtime. For children doses are reduced according to age.

HOW SUPPLIED: In packages of twenty and 200 tablets.

STROGENE

MANUFACTURER: John Wyeth & Bro., Ltd., Clifton House, Euston Road, London, N.W.1.

DESCRIPTION AND FORMULA: Tablets each containing 1 mgm. natural oestrogens (principally sodium oestrone sulphate), and standardised biologically and colorimetrically to be equivalent to 7,200 i.u. of oestrogenic activity and to 0.5 mgm. of stilboestrol.

INDICATIONS: Symptoms of the menopause, secondary amenorrhoea, functional uterine bleeding, suppression of lactation and senile vaginitis.

DOSAGE: Menopause. For severe symptoms four tablets daily reduced over three weeks to one tablet daily; no therapy in fourth week. Senile vaginitis: 1-3 tablets daily. Secondary amenorrhoea: 2-4 tablets daily to induce withdrawal bleeding.

HOW SUPPLIED: Bottles of fifty tablets.

DRUG DISTRIBUTION BY ROAD TODAY

By Graham Saville

WHILST the Transport Act, 1947 imposed a limit on the radius of operation of road haulage firms not acquired by the Road Haulage Executive, provision was made for special permits to extend that limit. Bearing in mind that goods of special character (i.e., explosives and inflammable goods, which by Statute may be carried only in specially constructed vehicles) were excluded from the nationalisation proposals, and that hauliers not taken over were restricted to a radius of twenty-five miles (as the crow flies) from their operating centres unless they secured a permit to exceed that limit, one may proceed to examine the types of permit granted. They fall into four categories: Original, substituted, ordinary and or the job.

The "original" permits applied only to established long-distance road hauliers who were operating before November 29, 1946. The "substituted" permit is an original permit that has been renewed but with different conditions.

The other two types are not restricted to particular hauliers; any haulage concern may apply for them. The "ordinary" permit allows of such operation as is indicated by the Road Haulage Executive. The "job" permit has a much more limited application and refers to a single vehicle or vehicle and trailer, and is granted only in respect of a particular piece of work for a period not above seven days.

Authority for Permits

The power to grant, refuse or revoke permits rests almost entirely with the Road Haulage Executive, and there is no appeal against its decision. When a concern can show that revocation of its original permit constitutes substantial interference in the conduct of its business, it can apply to the Road Haulage Executive to take over the whole or part of the business, and an important recent development has been that the Road Haulage Executive has announced its decision on the continuance of original permits. Approximately 12,000 such permits were granted after the passing of the Transport Act, and the Executive has indicated that some 3,300 of them are now to be revoked, a further 2,300 to be continued with modified conditions, and the balance of some 6,800 to be allowed to operate under their

existing conditions. That decision will effect a complete change in the nature of the road transport facilities at present available to pharmaceutical concerns. Competition for long-distance work will naturally decline, and the facilities available for local work will be increased. It will be recalled that traders have a right to choose the type of transport they consider most suitable for their traffic where alternate facilities are available, though that does not impose on the Commission the necessity to provide or continue any particular form of service.

Right to Operate Own Vehicles

The greatest safeguard to pharmaceutical concerns at present is their right to operate vehicles for the carriage of their own goods, a form of haulage normally undertaken with "C"-licensed vehicles. In considering the services placed at their disposal by the nationalised transport organisation and the free hauliers, therefore, traders should consider the alternative of operating "C" vehicles themselves.

Closely allied to the new changes in vehicle permits are the integration proposals that have been outlined by the British Transport Commission. Those proposals set out the types of traffic which the Commission considers most suitable for the three principal forms of transport operated by them (rail, road, and inland waterway). The road/rail services are naturally of major importance to pharmaceutical concerns. The proposals indicate broadly that the rail services are to be used for bulk haulage and that the road services will act as feeders to them. Collection and delivery services at present operated by the railways and inland waterways are to be taken over by the Road Haulage Executive.

The recent introduction of higher charges covering the services operated by the British Transport Commission, and the new conditions of carriage, are other factors to be taken into account.

N.H.S. Officers Superannuation Scheme. —A memorandum explaining the allocation of pensions, for officers retiring from the National Health Service, has been issued by the Ministry of Health. The memorandum (Booklet A.L., revised 1950) is published by H.M. Stationery Office, price 6d.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, Jan. 31

A BRISK inquiry is being received for a wide range of PHARMACEUTICAL and FINE CHEMICALS, though the supply position is deteriorating in many directions. Containers of all kinds are very short; glass containers have risen in price by approximately 5 per cent. throughout the range. Owing to rising costs of raw materials manufacturers have been compelled to advance prices of IODIDES, as from January 29. BENZOIC ACID and SODIUM BENZOATE have increased by 3d. per lb. HYDROQUINONE and METOL are in very short supply and prices have been advanced by 1s. and 2s. per lb., respectively. Argols are very short and as a result it is difficult to obtain TARTARIC ACID in any quantity. CITRIC ACID is firm and short on the spot; prices in Italy have risen sharply.

Trading in CRUDE DRUGS during the week has slackened-off somewhat. Prices of most articles are maintained. There has been a vigorous inquiry for Cape ALOES and prices continue to rise at origin. Sumatra BENZOIN is firmer. Higher prices are asked for French GENTIAN. The unprecedented shortage of IPECACUANHA continues; no supplies are offering on the spot while the origins are indicating very high prices. CHERRY BARK is in good inquiry; no supplies are available on the spot. SENEGA is scarce and the market is firmer at the other side.

ESSENTIAL OILS generally continue firm, though Chinese Star ANISE is slightly easier as a result of slackening-off of demand. LEMON is somewhat easier at origin. The high prices in Italy earlier in the month followed attempts by local speculators to cover their commitments for January shipment. It is evident that in many instances they had sold short and the resulting "squeeze" caused prices to rise steeply. Higher prices asked by growers of the fruit were also a contributory factor. Meanwhile, spot quotations for lemon oil differ greatly between holders.

U.S. Drug and Chemical Report New York, January 26

CHEMICAL prices in the United States continue to move upward and this week has seen notable advances in MERCURIALS and synthetic CAMPHOR. The former were made before the announcement of a further \$40 advance in the Spanish price of MERCURY (to \$200 per flask) and so new increases are probably to be expected; at present PERCHLORIDE is \$3.53 per lb. Synthetic refined CAMPHOR, U.S.P., in powder form is now 60 cents per lb. in ton lots, and tablets are 93 cents per lb. SILVER SALTS are firm at recently advanced levels.

The CRUDE DRUGS markets generally are firm, with a number of articles in short supply including BALSAMS. TOLU is now in the region of \$5.60 to \$5.75 per lb while PERU and COPAIBA balsams have been marked up to \$1.75 and \$1.70 per lb respectively. GUM ACACIA, bleached, is also higher in price and is now quoted at 30-3 cents per lb. It is difficult to obtain supplies of CASCARA SAGRADA. CARNAUBA WAX has started to move downward with the New York market becoming quieter, though the situation in Brazil is reported unchanged with shipping prices very firm. No. 1 yellow wax now costs \$1.42 per lb. while No. 3, N.C., is down to \$1.39 per lb. MENTHOL is slightly easier with current quotations at about \$14.30 against a price of \$14.50 a few days ago. Offerings of menthol from Japan and Brazil are still limited though demand here is quiet. The tone of the ESSENTIAL OILS market continues firm and demand is good particularly for oils in short supply. Higher prices are reported for Java CITRONELLA, CLOVE, EUCALYPTUS, ANISE, PEPERMINT and PIMENTO LEAF OILS.

Pharmaceutical Chemicals

ASPIRIN.—In good inquiry; supplies are short. Current price for 10-cwt. lots is 3s. 11d., and 1-cwt. lots, 4s. 0½d. per cwt. Scheduled rates for quantities of 28 lb. and under 1-cwt. range from 4s. 9½d. to 5s. 1½d. per lb., as to pack. Rates per 1,000 for bulk supplies of TABLETS are as follows:—Under 5,000, 4s. 2½d.; 5,000 and over, 4s. 0½d.; 10,000, 3s. 11½d.; 25,000, 3s. 9½d.; 50,000, 3s. 6½d.; 1,000,000, 3s. 5½d.; 2,000,000, 3s. 4½d.

BARBITONE.—In good inquiry. Rates per lb. are as follows:—1 cwt., 35s.; 28 lb., 36s.; 7 lb., 37s.; 1 lb., 38s. The SODIUM SALT is 1s. per lb. more than the base.

BENZOIC ACID.—Dearer. B.P. quality in 1-cwt. lots is 2s. 7d. per lb.; 28-lb., 2s. 10d.; 7-lb., 2s. 11d. SODIUM SALT is 2s. 5d. per lb. in 1-cwt. lots.; 28-lb., 2s. 8d.; 7-lb., 2s. 9d.

BISMUTH SALTS.—Prices are unchanged. In 1-cwt. lots CARBONATE is 2ls. 5d. per lb.; CITRATE, 19s. 7d.; SALICYLATE, 18s. 1d.; SUBGALLATE, 19s. 8d.; and SUBNITRATE, 18s. 10d. per lb.

BORAX.—Rates for B.P. quality in 1-ton lots and upwards are as follows:—Granular, £44; crystal, £46; powder, £47; extra-fine powder, £48 per ton; in 1-cwt. bags, carriage paid, Great Britain. Surcharges for small quantities are as follows:—Less than 1 ton but not less than 5 cwt., 1s. per cwt.; 3 cwt., 2s.; 1 cwt., 3s. to 5s.; less than 1 cwt., 5s. to 10s. per cwt. more than above rates.

CALAMINE. — Pharmaceutical quality is now 2s. 7d. per lb. in 1-cwt. lots.

CITRIC ACID. — Supplies remain short. Quantities of 5-cwt., and over, are quoted at 1s. 7d., and 1-cwt. lots, 1s. 7½d. per lb., less 5 per cent.

GLYCERIN. — Rates for chemically pure (B.P.) are as follows:—

	Under 1 cwt.	1 cwt.	5 cwt. and under 1 ton	1 ton and under 5 ton	5 tons a d under 25 tons
		1 cwt.	1 cwt.	5 cwt.	10 cwt.
Minimum deliveries off contract of	—	—	—	—	—
Per cwt.	s. d.	s. d.	s. d.	s. d.	s. d.
TINS					
14-lb.	262 0	257 6	253 6	249 0	247 6
28-lb.	260 0	255 6	251 6	247 0	245 6
56-lb.	256 0	251 6	247 6	243 0	241 6
DRUMS					
1-cwt.	—	239 0	235 0	230 6	229 0
2½-cwt.	—	236 6	233 0	228 0	227 0
5-cwt.	—	—	232 6	228 0	0 2½ 6
10-cwt.	—	—	231 6	227 6	226 0

25 tons and upwards (minimum delivery off contract of 2 tons), 14-lb. tins, 246s. 6d.; 28-lb., 244s. 6d.; 56-lb., 240s. 6d.; 1-cwt. drums, 228s.; 2½-cwt., 226s.; 5-cwt., 225s. 6d.; 10-cwt., 225s. Extra charges are made for smaller deliveries ex contract of from 6d. to 2s. Tins and cases free, glass packages and iron drums charged extra and returnable. Drums will be credited in full only if returned carriage forward in good condition within four months of date of invoice; if retained beyond six months their intrinsic value only will be credited, which will not in any case exceed two-thirds of the invoice price. Terms: 2½ per cent. monthly account, except where stated net. (Refined pale straw industrial grade is 5s. per cwt. less than above).

HYDROQUINONE. — In short supply. 1-cwt. lots are 10s. 9d. per lb.; 28-lb., 11s. 3d.; 14-lb., 11s. 6d.; 7-lb., 11s. 9d.

IODINE PREPARATIONS. — Prices rose on January 29. New rates (per lb.) are as follows:—**RESUBLIMED IODINE**, 1-cwt. lots, 18s.; 28-lb., 18s. 6d.; 7-lb., 21s. 4d. **IODOFORM**, powder, 1-cwt. lots, 22s.; 28-lb., 22s. 6d.; 7-lb., 25s. 10½d. Iodoform in crystal is 2s. per lb. more. **POTASSIUM IODIDE**, 1-cwt. lots, 15s. 8d.; 28-lb., 16s. 2d.; 7-lb., 18s. 8½d. **SODIUM IODIDE**, 1-cwt. lots, 16s. 9d.; 28-lb., 17s. 3d.; 7-lb., 20s.

LACTATES. — In 1-cwt. lots **CALCIUM**, B.P., is 2s. 7½d. per lb.; smaller quantities, from 2s. 11½d. to 3s. 3½d. per lb. **CALCIUM AND SODIUM**, B.P.C., powder, in 1-cwt. lots is 3s. 11½d. per lb.; smaller quantities, from 4s. 3½d. to 4s. 7½d. per lb. **SODIUM**, B.P. 1932, is 2s. 4d. per lb. in 1-cwt. lots; smaller quantities, 2s. 7d. to 2s. 11d. per lb. **LACTIC ACID**, B.P. is 2s. 11d. per lb. in carboys and from 4s. 0½d. to 4s. 6d. per lb. in winchesters.

LIQUID PARAFFIN. — Price to wholesale distributors for **HEAVY**, B.P., is £100 per ton (7s. 10½d. per gall.). **LIGHT**, B.P., is £81 per ton (6s. 3d. per gall.), in 40/45 gall. returnable loaned drums, delivered in the U.K. **WHITE** and **YELLOW SOFT PARAFFIN** are £91 6s. 6d. and £68 0s. 6d. per ton, respectively, in non-returnable 3-cwt. drums. **HARD PARAFFIN**, m.p. 135/140° F., is £81 14s.; 145/150° F., £104 10s.; and 160/165° F., £125 per ton, in minimum ton lots, ex works.

MAGNESIUM CARBONATE. — Prices current in the home market for **LIGHT**, B.P., in bulk, are: Not less than 1-cwt., 109s.; 5-cwt., 104s.; 10-cwt., 103s. per cwt. **HEAVY**, B.P., in 28-lb. containers is quoted at 143s. per cwt. for 1-cwt. lots.; 5-cwt., 134s.; 10-cwt., 133s.

MAGNESIUM HYDROXIDE, B.P.C.—Makers' price for 1-cwt. lots is 3s. 5d. per lb.

MAGNESIUM OXIDE. — Cases containing 56 lb. in bulk of **HEAVY**, B.P., are at the rate of 4s. 1d. per lb. **LIGHT**, B.P., in bulk is from 2s. 6d. to 2s. 9d. per lb.

MAGNESIUM TRISILICATE (B.P.)—Price for 5-cwt. lots in 28-lb. containers is 3s. 5d. per lb. and 1-cwt. lots, 3s. 7d. per lb. Smaller quantities are quoted at 4s. 4d. to 5s. per lb. as to packing.

METOL. — Large quantities are not easily obtainable. 1-cwt. lots are 22s. per lb.; 28-lb., 23s.; 14-lb., 25s.; 7-lb., 26s.

NICOTINIC ACID. — Quotations are about 43s. 6d. to 45s. 6d. per lb., as to quantity.

OXALIC ACID. — In quantities of 1-ton and less than 2 tons, spot material for the home trade is £133 10s. per ton, in 5-cwt. casks; 10 cwt.-1 ton, £138 10s. per ton; 5 cwt.-10 cwt., £143 10s. In 1-cwt. kegs, prices are £4 per ton more; quantities of less than 5-cwt., £162 10s. per ton. Packages free; delivered in U.K.

PHENOBARBITONE. — Home-trade prices are unchanged at from 35s. per lb. upwards, according to quantity.

POTASSIUM BROMATE. — Quotations range from 5s. 6d. to 6s. 3d. per lb., as to quantity.

SACCHARIN. — In lots of 1-lb. and over B.P. powder is quoted at 98s. 4d. per lb.: the **SODIUM SALT** is 79s. 4d. per lb. Prices include duty and carriage.

SALICYLIC ACID. — Prices are unchanged. 5-cwt. lots are 2s. 6½d. and 1-cwt. lots, 2s. 7d. per lb. Scheduled rates in the home market for quantities of 28 lb. and under 1-cwt. are from 3s. 1½d. to 3s. 5½d. per lb., as to pack.

SANTONIN. — Scarce. The following makers' prices per kilo apply in the home market, including Eire:—5-kilo lots, £89 10s.; 2-4-kilo lots, £91; 1 kilo, £92 10s.; 500 gm., £94; 250 gm., £95 10s.; 100 gm., £97; smaller quantities, £98 10s. Second-hand sellers are asking considerably more than the above rates.

Crude Drugs

ACONITE.—Spanish *napellus* on the spot is 3s. 6d. to 3s. 9d. per lb., duty paid.

AGAR.—Kobé No. 1 on the spot is quoted at 9s. 6d. per lb., duty paid.

ALOES.—Cape for shipment is indicated at 245s. per cwt., c.i.f.

ANTIMONY.—Dearer English, 99.6 per cent., £337 10s.; 99 per cent., £325 per ton.

ARECA NUTS.—Ceylon, f.a.q., on the spot, are from 37s. 6d. to 40s. per lb.

ARNICA FLOWERS.—Spot quotations are from 1s. 3d. to 1s. 4d. per lb., duty paid.

BELLADONNA.—Root (B.P.) is quoted at 3s. 9d. per lb., spot; English leaf, 3s. 9d. per lb.

BENZOIN.—Firm. Sumatra block on the spot is quoted at £32 per cwt.; for shipment, £28, c.i.f.

BISMUTH.—Metal is 17s. per lb. in minimum 5-cwt. lots.

BLACK HAW.—Tree bark is offered at 3s. 3d. per lb., ex store.

BUCHU.—Quiet. Short round leaves on the spot are 2s. 2d. per lb.

CALUMBA.—Natural sorts are quoted at from 75s. to 80s. per cwt., spot.

CAMPHOR.—Chinese refined powder (B.P.) is from 4s. 5d. to 4s. 7d. per lb., duty paid, $\frac{1}{2}$ -oz. tablets, quoted at 5s. 9d., duty paid (5s. 6d. in bond). $2\frac{1}{2}$ -lb. slabs are offered at 4s. 9d. per lb. in bond.

CAPSICUMS.—African on spot is 190s. to 250s. per cwt., as to grade.

CASCARA SAGRADA.—Firm. Spot supplies of 1950 natural bark are offered at from 365s. to 375s. per cwt., duty paid (340s. in bond).

CASCARILLA.—Quills on the spot are quoted at 1s. 3d. per lb.; siftings, 1s. to 1s. 2d. per lb.

CHILLIES.—Mombasa, spot, quoted at 345s. per cwt.; for shipment, 315s. to 320s. per cwt. Sierra Leone, spot, 285s. per cwt.; for shipment, 265s., c.i.f.

CLOVES.—Quiet. Zanzibar on the spot, 3s. 2d. per lb.; for shipment, 3s. 1d., c.i.f. Madagascar, in bond, 3s.; for shipment, 3s., c.i.f.

COCHINEAL.—Spot quotations are from 6s. 6d. per lb. for black or silver grain.

COD-LIVER OIL.—To wholesale distributors, medicinal, B.P., is 13s. per gall., in charged returnable drums, and 14s. 6d. per gall. in 1-gall. tins; delivered. Veterinary oil is upwards of 13s. per gall. according to pack.

COLCHICUM.—Corms on spot are quoted at from 2s. 3d. per lb., as to test; seeds, 8s. 6d. per lb., spot, duty paid.

COLOCYNTH.—Fair-quality white pulp is from 1s. 6d. to 1s. 9d. per lb., ex store.

COPAIBA BALSAM.—Scarce. Supplies on the spot are held for 10s. 6d. per lb., d. paid.

DRAGONS BLOOD.—Firm. Singapore boiled No. 1, £60 to £62 per cwt., s.p.

ELEMI.—Manila No. 1 on the spot from 2s. 3d. to 2s. 6d. per lb.

ERGOT.—Portuguese from origin is quoted at prices up to 81s. per lb., c.i.f.

GAMBOGE.—Siam pipe is at £40 to £45 per cwt., duty paid; powder is quoted 11s. 6d. per lb., spot London.

GENTIAN.—Spot quotations for French root are in the region of 145s. per cwt. for shipment, 140s., c.i.f.

GINGER.—African is offered at 325s. 1cwt.; new-crop for February-April shipment, 280s., c.i.f. Jamaican, new-crop February-April shipment, 405s., c.i.f. value.

GUAIACUM.—Spot quotations are from 3s. 3d. to 3s. 6d. per lb.

GUM ACACIA.—Market firm and active Kordofan cleaned sorts on the spot, 12s. per cwt.; for March-April shipment, 101s., c.i.f.

HENNA.—Indian green is available from 90s. to 95s. per cwt., ex warehouse London.

IPECACUANHA.—No supplies are offered on the spot market. Nicaraguan, for M shipment, 53s., c.i.f.; Colombian, for February-March shipment, 55s. per cwt., c.i.f., indicated.

IRISH MOSS.—No. 1 carrageen on the spot, 100s. per cwt., nominal.

JALAP.—Vera Cruz, 9-11 per cent. resin is available on the spot at 3s. 6d. per lb. 15 per cent., 3s. 9d.

KARAYA.—No. 1 on the spot is valued at 400s., and No. 2, 325s. per cwt. Firm at origin.

LIQUORICE.—Anatolian natural root on the spot in London is quoted at from 50s. to 52s. 6d. per cwt., and Syrian at 42s. 6d. in Liverpool; Russian natural root is offered at 55s. per cwt., spot London. British block, 150s. to 195s. per cwt., to grade. Turkish block juice is quoted at from 150s. to 220s., duty paid, according to holder. Turkish stick is from 170s. per cwt., duty paid. Italian stick is from 240s. to 475s. per cwt., duty paid.

Lycopodium.—Triple-sifted material, on the spot, is quoted at from 11s. per lb. duty paid.

MACE.—West Indian pale blade is nominal at 9s. per lb.; for shipment, 9s. c.i.f.; second-hands, 8s. 6d., c.i.f.

MALE FERN.—Italian for shipment quoted at 50s. per cwt., c.i.f.

MASTIC.—No. 1 tears are quoted at from 12s. 6d. per lb., spot.

MENTHOL.—Quiet. Chinese on the spot is quoted at 102s. to 104s. per lb., duty paid (in bond, 96s.); afloat, 95s. to 97s. 6d. per lb., c.i.f. Brazilian for shipment, 88s. nominal, c.i.f.

MERCURY.—Spot quotations are from 73 10s. to £74 per flask, ex warehouse.

MYRRH.—Aden sorts, quoted at from 10 10s. to £12 per cwt.; siftings, £6 10s. to £7; both spot London.

NUTMEGS.—West Indian 80's, 4s. 9d. per lb., nominal; unassorted, 3s. 9d., and formy, 2s. 10d., spot London.

PAPAIN.—East African white is from 5s. to 36s. per lb., spot; Ceylon, 29s. per lb., spot.

PERU BALSAM.—Supplies on the spot are valued at 12s. 6d. per lb., duty paid.

PIMENTO.—Firm. Spot quotations are from 1s. 10d. per lb.; for shipment, 200s. per cwt., c.i.f.

PODOPHYLLUM ROOT.—Indian, for shipment, is offered at 38s. per cwt., c.i.f.

PSYLLIUM SEED.—Indian is quoted from origin at 130s. per cwt., c.i.f.

QUASSIA.—Chips on the spot are offered at 35s. per cwt.; for shipment, 28s., c.i.f., ioted.

QUINCE SEED.—Cape on the spot, 4s. per lb.; Continental, 3s. 0½d. per lb., spot.

RHUBARB.—Chinese rough round on the spot is from 5s. to 7s. per lb. in bond; double Deer is 9s. 9d. per lb., duty paid.

SARSAPARILLA.—Jamaican native red on spot is from 2s. 6d. to 2s. 7d. per lb.; for shipment, 2s. 4d., c.i.f.

SENEGA.—Firmer. Shipment prices have risen to 23s. per lb., c.i.f.

SENNA.—Firm. Tinnevelly leaves, f.a.q., o. 3, 1s. 4d. per lb., spot, nominal. Alexandrian manufacturing pods, 1s. 9d. per lb., nominal, spot; Alexandrian broken leaves are nominally from 10½d. per lb. and siftings from 9d. to 9½d.

HELLAC.—Spot F.O.T.N., pure is now 35s.; F.O. Standard 1, 450s.; and fine range, 465s. to 520s. per cwt.

STYRAX.—In good demand; business one at 7s. 6d. per lb., spot.

STROPHANTHUS.—In good inquiry. Supplies of *Kombé*, 100 per cent., are available about 20s. per lb., spot. *Gratus*, for shipment, 17s. 6d., c.i.f., indicated.

TOLU BALSAM.—Natural for shipment from origin is quoted at from 30s. to 33s. per lb., c.i.f.

TRAGACANTH.—Firm. No. 1 ribbon on the spot is £200 per cwt.; No. 2, £175; No. 3, £155; No. 4, £85.

TURMERIC.—Madras finger is offered at 9s. 6d. per cwt., spot London.

VALERIAN.—Belgian on the spot is quoted at 185s. per cwt., spot. Indian is available at 145s. per cwt., spot.

Essential and Expressed Oils

ALMOND.—Steady. Expressed sweet oil (B.P.) on the spot is from 5s. to 6s. per lb.; Bitter essential oil, s.a.p., on the spot, is from 24s. to 55s. per lb., as to grade.

ANISE.—Quiet. Chinese star is quoted at from 15s. 3d. to 15s. 6d. per lb. on the spot; for shipment, 15s. 3d., c.i.f., sellers.

CITRONELLA.—Firm. Ceylon on the spot is from 16s. to 17s. per lb.; for shipment, January-February, 15s. 9d., c.i.f.

CLOVE.—English-distilled bud oil in 1-cwt. lots is 25s. 3d. per lb., with smaller quantities up to 26s. per lb. Imported leaf oil (80-85 per cent. eugenol) is offered at 15s. per lb. on the spot.

LAVENDER.—French, 38-40 per cent. linalol, on the spot is offered at 52s. 6d. to 53s. 6d. per lb.; 40-42 per cent., 55s. 6d. Spanish spike is about 22s. 6d. per lb. on the spot.

LEMONGRASS.—Spot is quoted at upwards of 33s. per lb.; for January-February shipment, 31s. 6d., c.i.f., quoted.

MANDARIN.—New-crop on the spot is quoted at 36s. to 38s. per lb.

NUTMEG.—Prices of English-distilled oil are at 45s. per lb.; second-grade, 25s. per lb. Imported oil is about 36s. to 40s. per lb., duty paid.

OLIVE.—Market continues firm. Quotations for edible oil are from 32s. to 35s. per gall. in 45-gall. drums, ex warehouse, as to grade and quantity.

ORIGANUM.—Palestinian is offered at from 16s. 6d. to 17s. 6d. per lb., spot.

PALMAROSA.—Sellers are asking 57s. 6d. per lb. for spot supplies; for shipment, 55s. per lb., c.i.f.

PEPPERMINT.—Chinese is quoted at from 33s. to 35s. per lb., spot; for shipment from Hong Kong, 34s. 6d., c.i.f. *Piperita* is offered at from 55s. to 60s., as to grade.

PETITGRAIN.—Paraguay to come forward is quoted at 32s. 6d. per lb.

PIMENTO BERRY.—English-distilled oil, from 80s. per lb. Foreign, 42s. per lb., spot.

PINE.—*Pumilionis*, about 13s. 6d. per lb., spot; *sylvestris*, from 12s. per lb.

ROSEMARY.—Spanish on the spot is from 8s. 6d. to 10s. per lb.; for shipment, 7s. 9d. landed, duty paid terms.

SANDALWOOD.—Mysore oil on spot is from 75s. to 80s. per lb. East Indian, Dutch-distilled (95 per cent. santalol), 100s. per lb., duty paid. West Indian is available at 19s. 6d. per lb., spot. English-distilled, 80s. to 85s. per lb.

SASSAFRAS.—Brazilian natural is quoted at from 6s. 9d. to 7s. 6d. per lb., duty paid, spot London.

SPEARMINT.—Spot supplies are offered at 47s. 6d. to 50s. per lb., duty paid.

NEW BRITISH PATENTS

Manufacture of Basic Ethers.—Spofa (Spojene farmaceutika zav. nar. pod.), Prague, No. 30128/1949. (1.12.48). Aryl and aralkyl ethers or benzyl ethers derived from substituted 2-aminocyclohexanols, or their soluble salts, have considerable anti-histaminic, spasmolytic, and anaesthetic properties. Methods for their preparation hitherto have been based on condensation of metal derivatives of the corresponding phenols or aralkyl alcohols with substituted 2-aminocyclohexyl halogenides. It has now been established that these compounds can be prepared by condensation in the presence of anhydrous alkaline carbonate with substituted 2-aminocyclohexanols. The basic condensation products are isolated by vacuum distillation and converted in the usual way into salts.

Recovery of Streptomycin.—Merck & Co., Inc., No. 19430/1949. (8/1/49). The invention is an addition to English Patent 19266/1948. An improved method of streptomycin recovery has been found in the use of carboxylic type ion-exchange resin formed by co-polymerising a divinyl compound and suitable acid, from which streptomycin is eluted. The adsorbent preferred is a copolymer of acrylic or methacrylic acid and divinyl-benzene, as those have a larger number of carboxyl groups per unit of weight, and therefore a higher adsorbent capacity. The method consists in working a column of ion-exchange in a three-step cycle. Clarified broth is passed from the culture media through the column where streptomycin is adsorbed, then a solution of acid is passed through resin, and the resin is regenerated with a basic solution (NaOH).

Anti-histaminic Compounds.—Schering Corporation, No. 26316/49 (23.11.48). It has been found that substances with a high degree of histaminic and anti-anaphylactic activity may be prepared from pyridyl Py—C(R₁)(CH₂)_n—R₂ aliphatic amines of the general formula H as shown, where Py is the pyridine ring, which may be substituted by a halogen, alkoxy, or lower alcohol group, n is an integer of 2-4, R₁ represents a dialkylamino, piperidino, pyrrolidine, or morpholine group, and R₂ is an alkyl, aralkyl or other group, or halogenated derivative of such; also salts of these with organic or inorganic acids. Clinical studies

have revealed favourable antihistaminic activity, with no undesirable after effect. Methods of condensation of halogenated pyridine with a dialkylamino-aralkyl ketone, using either magnesium or lithium in conventional type Grignard reaction are shown by several examples—follow by dehydration, reduction, etc.

TRADE MARKS

From the "Trade Marks Journal," January

For veterinary preparations (5).

FABIN, B692,528, by Glaxo Laboratories, Ltd, Greenford.

For medicines for human use (5).

BAILE BINS, 693,035, by C. E. Fulford, Ltd, Leeds.

For photographic apparatus and instruments (5). REX, B680,078, by Société Française Photo-Loire. FOTOCRATIC, 688,455, by Char Powis & Co., Ltd., co. Down.

For contraceptive appliances and appliances introducing medicated preparations into the vagina (10).

KYLON, 690,638, by Ernest Frank Budd, Larkley.

For hair nets (26).

DIANA, 688,565, by Ensyda, Ltd., London, W.1.

For hair curlers (26).

LANOWAVE, 690,295, by Wella Rapid, Ltd, London, N.W.1.

For all goods (3).

REV, 692,563, by Thomas Hedley & Co., Ltd, Newcastle-on-Tyne.

From the "Trade Marks Journal," January

For fertilisers (1).

VITAHUME, 694,140, by Vitahume, Ltd, London, S.W.1.

For non-medicated toilet preparations (3).

GOYA-LET'S CELEBRATE, 690,759, by Goya Ltd., London, W.1. METCOLT, 693,937, C. W. Peach (Chemists), Ltd., Huddersfield.

For preparations for repelling and destroying insects (5).

SCRAM, B655,312, by Scram Products, London, N.W.5.

For all goods, excluding preparations for repelling insects (5).

PELENTAN, 669,909, by Spojene Farmaceutick Zavody, Narodni Poknik, Prague.

For pharmaceutical preparations (5).

TESTONAD, 684,712, by Cavendish Chemical Co. (New York), Ltd., London, S.E.25. FAN EXA, 692,805, by Optrex, Ltd., Greenford. DOLORIN, 692,924, by Reynolds & Branso Ltd., Leeds. SUXALIN, 663,060, by Multiples Chemicals, Ltd., London, W.1. EBUDEN, 693,581, by Evans Medical Supplies, Ltd., Liverpool. METCOLT, 693,938, by C. W. Peach (Chemists), Ltd., Huddersfield. TRIGGE SPOT, 694,226, by Stanning Proprietaries, Ltd, London, W.1.

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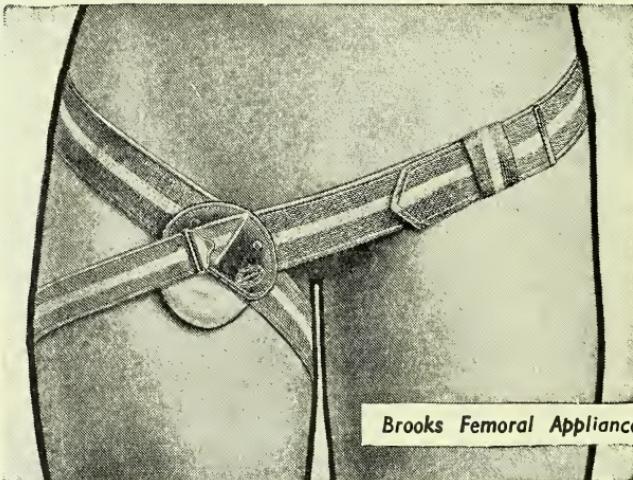
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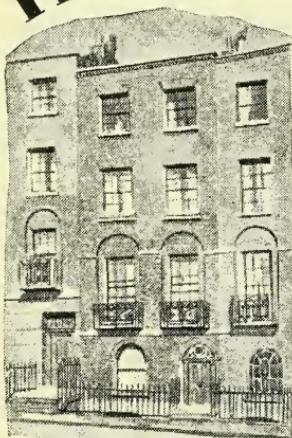
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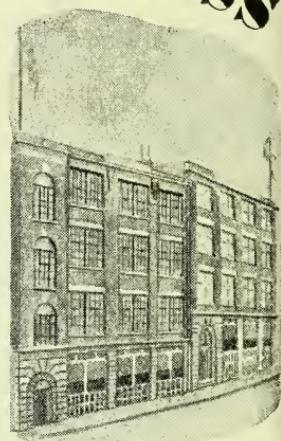
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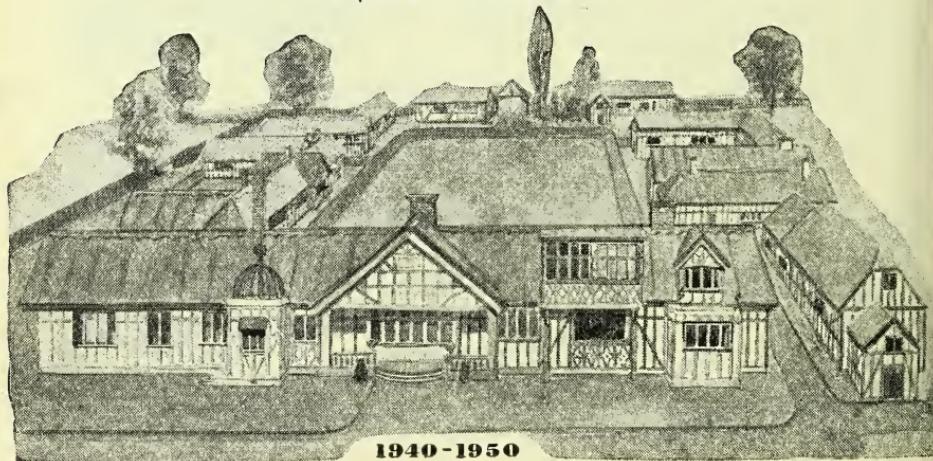
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has recently been enlarged and installed with new machinery of the most modern type. Since 1940 all Rendells Products have been manufactured in our country factory at Ickleford, near Hitchin, but owing to building restrictions it has been necessary to retain the London premises at 161-5, Rosebery Avenue, London, E.C.1. Extensive additional accommodation has now been provided at Hitchin, and from today's date the Company's offices and other administrative departments are transferred from London.

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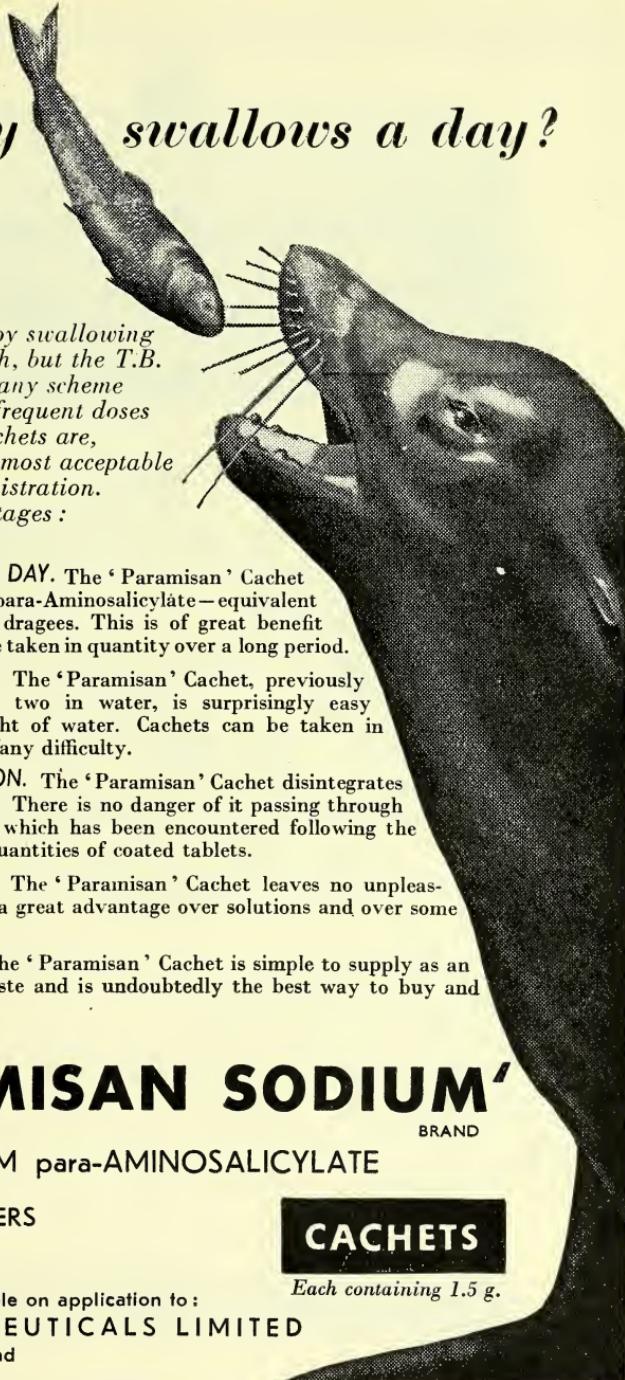
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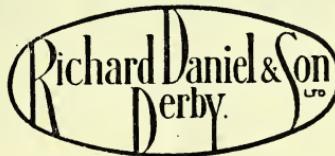
1, Queen's Terrace, Aberdeen.
Aberdeen 27233

CLINICAL  PRODUCTS LTD
RICHMOND SURREY

PENICILLIN PREPARATIONS

LOZENGES · TABLETS · OINTMENTS · Etc.
Aids to Dispensing Outfits of Creams and Drops

MANUFACTURED BY



DISTRIBUTED BY

MOORE MEDICINAL PRODUCTS LTD

I, QUEENS TERRACE
ABERDEEN. Tel: 27233

64 GLOUCESTER PLACE
LONDON, W.I. Tel: WELbeck 5718/9

Detailed Price List on Request

National Advertising of RADIANT β

the aspirin spirit liniment—has promoted a
eady demand. CHEMISTS are asked to foster
is goodwill by maintaining adequate stocks

Manufactured by
Radioil
CHEMICALS LIMITED

Telephone: VANdyke 2692

Teleggrams: Radiotional, Van, London.

78, UPPER RICHMOND RD,
LONDON S.W.15.

Professional samples and
literature on request

Distributor for Midland Area:—

JOHN KNOX (Stoke-on-Trent) Ltd.

for S. Western Area:—

J. R. GIBBS Ltd., Manor Avenue,
Paignton

Other areas from Local Wholesalers
or direct from London

HAVE YOU taken advantage of the MERCOLIZED WAX BONUS OFFER?

(Mercolized Wax retails
at 3/10, inc. P. Tax)

NOW—
IT'S UP TO YOU!

We would remind you that this offer is open for a limited period only! Greater Sales! Greater Production! Greater Advertising! More and more women are turning to this tried and proved product. Here's our offer:—

Orders for 2 dozen	Bonus 2 Jars
Orders for 4 dozen	Bonus 5 Jars
Orders for 6 dozen	Bonus 9 Jars
for every 6 dozen ordered	



Sales Distributors: POTTER & MOORE LTD.,
Lavender House, Seymour Road, Leyton, London, E.10



SAMCO Atomisers and Sprays differ from types in general use in that each model is a Scientific Instrument specially designed to handle all types of spraying compounds without the necessity to adjust the nozzle of the instrument in any way.

Each instrument is manufactured and assembled to mathematically exact limits thereby assuring uniform performance.

Materials of the finest quality only are used and all components in direct contact with fluids are made of pure nickel, which is impervious to every known substance used in medical prescriptions.

All components are heavily chromium plated.

All SAMCO models are pressure operated, thus ensuring complete atomisation.

ACTUAL MANUFACTURERS

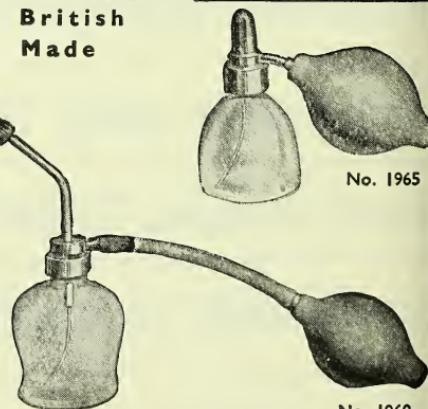
S. MURRAY & Co. Ltd.

45 ST. PANCRAS WAY . . . LONDON . . . N.W.1

Phone: EUSton 1757 & 5514

Entirely
British
Made

N.H.S. Patterns



Supplies available from your usual wholesaler . . .

FOR HOME & EXPORT

META AMINO PHENOL 99/100%

PAS ACID

PAS SODIUM

PAS CALCIUM

In Bulk and Tablet forms

SULPHA DRUGS

EPHEDRINE HYDROCHLORIDE

SULPHONE D.D.S

MERCURY SALTS

PEPSIN

CHLORAL HYDRATE



★ We can supply these and many other drugs advantageously.

**M·W·HARDY
& CO. LTD**

PINNERS HALL · GT WINCHESTER ST · LONDON · EC2

TELEPHONE: LONDON WALL 7131

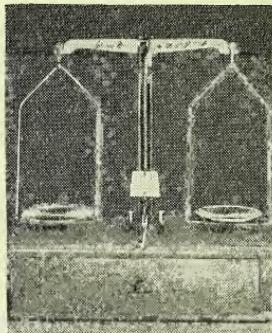


REPLACE YOUR OLD BALANCE NOW

The No. 50

A good reliable balance at a reasonable price. The light alloy beam and aluminium indicator give the scale a particularly high sensitivity, which is maintained over a long period. Pans and stirrups are of brass. The box is of polished mahogany.

PRICE £6

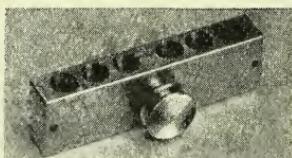


The White Monarch

A de luxe balance with stainless steel fittings, large diameter pans, moulded bakelite housing and duralumin beam. PRICE £11 11s.

Drachm and grain weights (extra) 16/3 per set.

OTHER LINES FOR THE DISPENSARY



*Mortars
and Pestles*

No.	4"	4½"	5¼"	6½"	8"	10"	12"
o	1	2	4	6	8	10	
Each	5/-	6/-	6 9/16	11/16	15/16	25/-	39/-

Made in solid brass, nickel plated, with six or twelve holes of conical shape.
6-hole ½-hole
15 gr. 14/- 20/- each
60 gr. 30/- 54/- "
120 gr. 42/- 78/- "

Ointment Slabs

Each	8"	10"
	4/9	8/-

Bunsen Burners

Chromium plated, with positive on-and-off tap action ... each 13/6

All goods carriage paid in free packages

MACDONALD & SON LTD.

HOPE MILLS POLLARD STREET MANCHESTER 4

Ardwick 1561-2

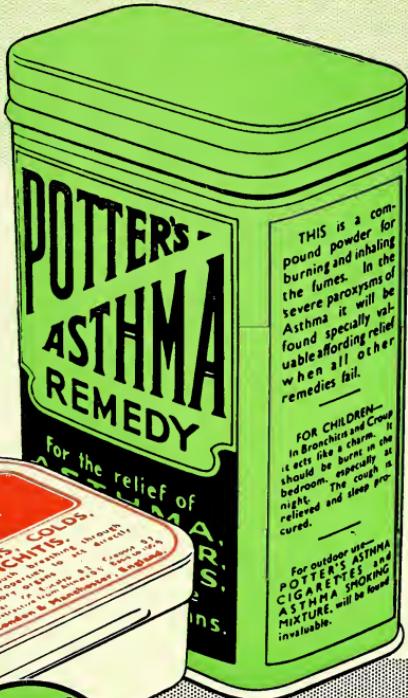
2 GOOD 'REPEATERS'

POTTER'S ASTHMA
REMEDY

RETAIL 2/5 TIN

POTTER'S CATARRH
PASTILLES

RETAIL 1/9 TIN



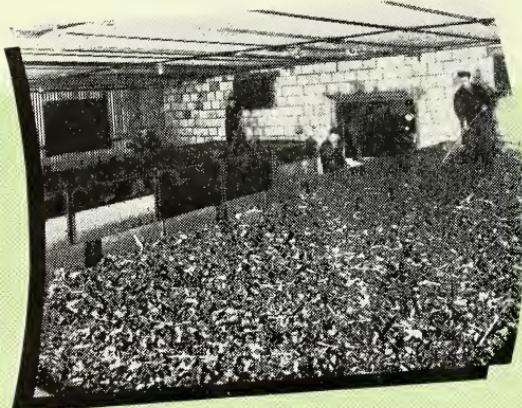
POTTER & CLARKE LTD

60-64 ARTILLERY LANE, LONDON, E.I.
Phone : BISHOPSGATE 4761. Grams : Horehound, 'Phone, London.

77 DANTZIC STREET, MANCHESTER 4
Phone : BLACKFRIARS 8734. Grams : Horehound, Manchester.

62 ORBISTON STREET, MOTHERWELL
Phone : MOTHERWELL 1413. Grams : Horehound, Motherwell.

Where experience counts..3



Modern drying room in the Ransom factory

growing and processing and this extensive knowledge is reflected in the high quality of their products.

Great care and experience are needed in the drying of medicinal plants to ensure maximum retention of their active principles.

William Ransom & Son Ltd., have had over 100 years' experience of drug

ACTUAL GROWERS OF

BELLADONNA · HENBANE
PEPPERMINT
FOXGLOVE · CHAMOMILE
LAVENDER

EXTRACTS (Solid and Liquid)

TINCTURES · RESINS
OLEO-RESINS · RESINOIDS
ESSENTIAL OILS · CHLOROPHYLL



*MANUFACTURING CHEMISTS AND GROWERS OF
MEDICINAL PLANTS FOR OVER A CENTURY*

WILLIAM RANSOM & SON LTD.
Hitchin Hertfordshire England



THE IMPORTANCE OF A

Name

Made with a skill born of generations of specialisation in the production of Medicated Pastilles, MEGGEZONES are deservedly Britain's most popular preparation of their type for the relief of coughs, colds and catarrh. National advertising is helping to make the brand name "MEGGEZONES" of still greater value to pharmacists throughout the kingdom.



Meggeson & Co. Ltd., London, S.E.16



Over

350

M&B

**PHARMACEUTICAL
CHEMICALS**

BROMIDES
IODIDES
BISMUTH SALTS
BARBITURATES
CITRATES
COCAINE AND SALTS
CAFFEINE AND SALTS
EPHEDRINE AND SALTS
CHLOROFORM
ETHER

are available
from wholesale
distributors
throughout
the country

MAY & BAKER LTD
DAGENHAM

'phone ILFORD 3030 Ext 220



TRADE **Vaseline** MARK
BRAND
PREPARATIONS

We regret that owing to the increased cost of raw materials, packaging materials and the rise in transport and freight rates, it is necessary for us to make the following changes

EFFECTIVE FEBRUARY 1st 1951

			Purchase Tax	Retail Price Inc. P. Tax
"VASELINE" Blue Seal Yellow Petroleum Jelly				
*Bottle	...	...	57/6 per gross	33½% ... 8d.
"VASELINE" Yellow Petroleum Jelly				
*Tin	...	...	36/- per gross	33½% ... 5d.
*1 lb. tin	...	...	28/9 per dozen	33½% ... 4/-
"VASELINE" White Petroleum Jelly				
*Tin	...	...	43/- per gross	33½% ... 6d.
*Bottle	...	...	6/- per dozen	33½% ... 10d.
*1 lb tin	...	...	36/- per dozen	33½% ... 5/-

There is no change in the prices of other VASELINE Brand Preparations

* **P.A.T.A.**

CHESEBROUGH MANUFACTURING CO. LTD.

VICTORIA ROAD, WILLESDEN, N.W.10

Telephone: ELGar 6101/4 (4 lines)

Telegrams: VASELINE, LONDON

The Trade Mark VASELINE is registered in Great Britain and in most of the principal countries of the World

IZAL TOILET ROLLS

Price Announcement

The manufacturers of Izal Toilet Rolls and Izal Interleaved Packs announce that they have been compelled to revise the prices of these products to the following:

IZAL TOILET ROLLS

148/- per gross plus P.T. - 1/8d. Retail

IZAL INTERLEAVED PACKS

138/- per gross plus P.T. - 1/7d. Retail

These price increases are due entirely to substantial and repeated increases in raw material costs, due to the disturbed world economic situation, and they have been made only when further postponement is impossible. In the past twelve months the price of toilet tissue for Izal Rolls has risen by approximately 75% and is now seven times that of pre-war. To this great increase must be added purchase tax which now accounts for 4d. on every Izal Roll. Lower prices will be restored immediately raw material costs permit, and in the meantime dealers are thanked for their constant support.

**NEWTON, CHAMBERS & COMPANY LIMITED
THORNCLIFFE, NEAR SHEFFIELD**

DOLCIN

REG. TRADE MARK

PRICES REDUCED



FROM 1st March the retail prices of Dolcin to the public will be reduced as follows:—

100 Tablets 7/6 inc. P.T.
500 „ 33/9 „ P.T.

From the 1st February the following trade prices became operative:—

	Per Dozen
Dolcin 100's	- - - - - 54/- + 18/- P.T.
„ 500's	- - - - - 243/- + 81/- „
„ 600's (Dispensing Pack)	- 288/- + 96/- „

THE phenomenal success which Dolcin has achieved, has enabled economies in production and distribution to be effected and these are being passed on to the public.

Dolcin has proved its effectiveness in relieving the painful symptoms of Rheumatism and other rheumatic ailments, and is prescribed by Doctors. You can recommend it to your customers with confidence.

We shall be pleased to supply on request price reduction attachments for existing display pieces. An interesting selection of restrained and distinctive display material is always available. Write to us at the address below.

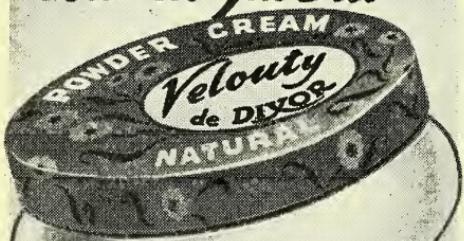
Please order DOLCIN from your wholesaler

Sole Distributors: TAMPAX LTD., 110 JERMYN STREET, LONDON, S.W.1.

Velouty de DIXOR

The ORIGINAL combined
POWDER CREAM

Now in jars...



*...the centre
of attraction*

- ★ IVORY
- ★ NATURAL
- ★ PEACH
- ★ SUN GOLD
- ★ OCHRE

2'
6
RETAIL
inc. tax

Attractive display cartons
of six jars

From your usual wholesaler or direct from

DIXOR LTD.
ST. LEONARD'S WORKS,
MORTLAKE, S.W. 14.

Get Ready TO SELL MORE "HENNAFOAM" and "FACIAL YOUTH"

Here's why—demand is growing through the advertising in National Newspapers with a combined circulation over 14 millions!

Stock "Hennafoam" Shampoo and "Facial Youth" Beauty-Cream and keep your name for having a well-stocked shop!

Kathleen Court (Eng.) Ltd.
Cooletan Laboratories, Hampton, Middlesex

Cooletan
Time
is coming
—order
EARLY!
(and profit thereby!)

FREE
for the asking...



Most of the training necessary to qualify for a Diploma in Chiropody can now be taken at home by specialised correspondence lessons. Fullest particulars of how to enter this highly-paid profession from :

SCHOOL OF SURGICAL CHIROPODY
(Dept. CD)
LEATHERHEAD, SURREY

Doctors are now reading this announcement

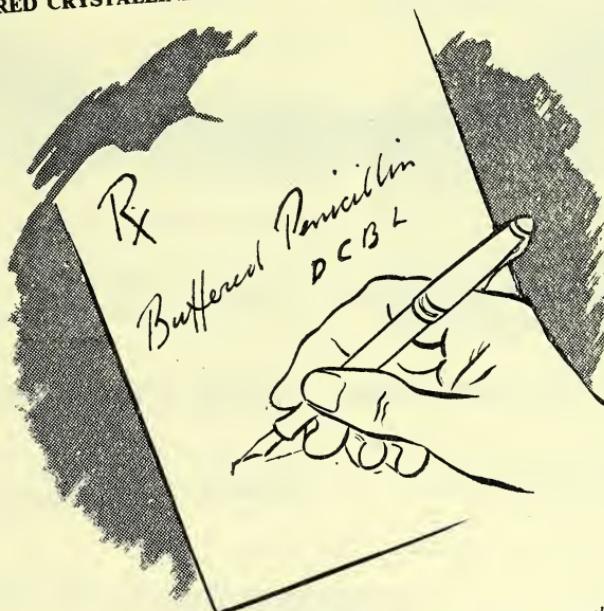
THE LANCET

THE LANCET GENERAL ADVERTISER

**When you write
BUFFERED PENICILLIN DCBL**

pharmacists know you intend your patients to receive

BUFFERED CRYSTALLINE PENICILLIN G, POTASSIUM SALT, DC(B)L



Unbuffered crystalline penicillin G rapidly loses its potency in aqueous solution. Buffered Crystalline Penicillin G, Potassium salt, DC(B)L retains its potency in aqueous solution for 7 days at room temperature. It costs the same as the unbuffered material.

Distributed by

Allen & Hanburys Ltd.	British Drug Houses Ltd.	Burroughs Wellcome & Co.
Evans Medical Supplies Ltd.	Imperial Chemical (Pharmaceuticals) Ltd.	
	Pharmaceutical Specialities (May & Baker) Ltd.	

Manufactured by

THE DISTILLERS COMPANY
(BIOCHEMICALS) LIMITED

LIVERPOOL

SPEKE

Hormones

NATURAL & SYNTHETIC

FOR ORAL OR SUB-LINGUAL ADMINISTRATION

**(OXOID) STILBOESTROL (OXOID) ETHINYL
OESTRADIOL**

(OXOID) DIENOESTROL (OXOID) ETHISTERONE

**(OXOID) OESTRIN (OXOID) METHYL
TESTOSTERONE**

FOR INJECTION

(OXOID) OESTRIN (OXOID) PROGESTERONE

**(OXOID) STILBOESTROL DIPROPIONATE (OXOID) TESTOSTERONE
PROPIONATE**

LITERATURE GLADLY FORWARDED UPON REQUEST

OXO LIMITED (Medical Dept.)

Thames House, Queen St. Place, London, E.C.4. Phone: Central 9781

You may recommend with confidence

This simple, rapid, volatile vasoconstrictor is for use in head colds, sinusitis, nasal catarrh, hay fever, asthma, etc. Your customers will appreciate the convenience of 'Benzedrine' Inhaler, for it gives effective and prolonged relief.

In average use the 'Benzedrine' Inhaler will last about three months. There may still be a slight aromatic odour after the active ingredient is exhausted, and you should advise your customers to replace their 'Benzedrine' Inhaler when they no longer obtain relief.

'Benzedrine' Inhaler

for use in head colds, sinusitis, nasal catarrh, hay fever, asthma, etc.

it gives effective and prolonged relief

'BENZEDRINE' INHALER

Trade Price 18/- per doz.

Retail Price 2/- each

Have you checked your stocks?

MENLEY & JAMES, LIMITED

123 Coldharbour Lane, London, S.E.5

for Smith Kline & French International Co., owner of the trade mark 'Benzedrine'
BIT 21

**Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933**

**Dr. J. Collis Browne's
CHLORODYNE**

SALE RESTRICTED TO REGISTERED CHEMISTS

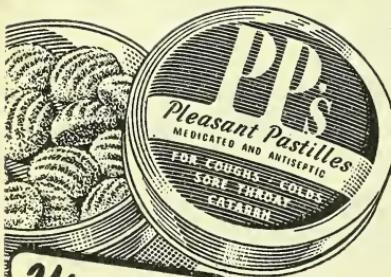
PURCHASER'S SIGNATURE NOT REQUIRED

P.A.T.A.

Sole Proprietors:

**J. T. DAVENPORT LTD.
UNION ST., LONDON, S.E.1**

**Order these Winter Profit-makers NOW
WHILE STOCKS
ARE AVAILABLE**



Use

THE NEW
ATTRACTIVE
COUNTER DISPLAY
OUTERS

EXTENSIVE seasonal advertising is creating a lively demand, and counter display will sell these two popular products on sight.

Although threatened with shortage of certain ingredients, we are, at the moment, prepared to execute orders for Peps and P.P.'s IN FULL.

Order your requirements now to meet increased sales.

Include in your order supplies of:

BILE BEANS : ZAM-BUK OINTMENT : ZAMCONES
ZAM-BUK Medicinal CREAM : ZAM-BUK SUPPOSITORIES
GUY'S TONIC : KUTNOW'S SALINE : VEN-YUSA



P.A.T.A.

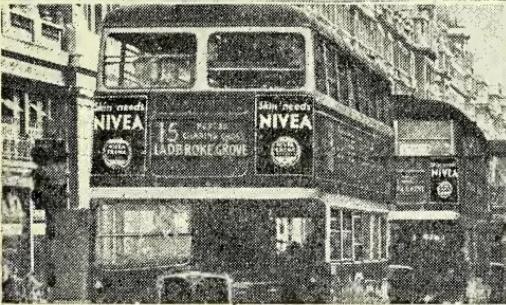
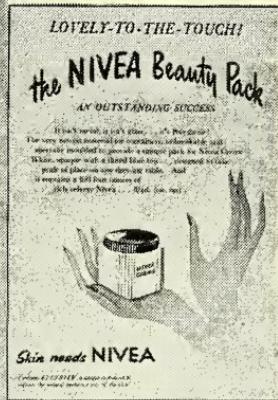
C. E. FULFORD LTD., CARLTON HILL, LEEDS. 2

TELLING MORE PEOPLE

Nivea, Nivea, Nivea . . . in the press, on the posters, in fashionable magazines, favourite home weeklies, famous medical journals. Thanks

famous medical journals. Thanks to a powerful advertising policy your job of selling becomes more and more a matter of stocking up to meet the ever and always increasing demand for Nivea:

Nivea the all-purpose skin cream, Nivea for the nursery, Nivea for the surgery, and Nivea, a beauty essential.



SELLING MORE

NIVEA

HERTS PHARMACEUTICALS LIMITED, WELWYN GARDEN CITY, HERTS

OF THE 8,000,000 ★ WOMEN
THIS ADVERTISING
WILL REACH...

*few will resist
its appeal*

*'Ah! you try
CAMILATONE - that's the
whole secret'*

Camilatone Toning Shampoos have a remarkable double-action:—(1) The PURE SOAP content of the Shampoo gently eases all dirt from the hair, without damaging the natural oils; (2) The special Tonrinz after-shampoo rinse that's included in every pack brings to your hair those rich, natural colours you thought had faded forever. Shampoo and Rinse together cost only 8d., and there are eight lovely shades to choose from. TONRINZ is also available separately—price 4d.

Camilatone **TONING SHAMPOO**
including TONRINZ

Camilatone shows hair in its true colour

Camilatone Limited, Edgware Road, Welsh Harp, London, N.W.9

★ 8,000,000 sounds a fantastic number! But during the first six months of 1951 the popular women's magazines carrying this advertising will reach just that number of women! Young or old, those women want to keep the natural sparkle in their hair. And from this forceful national appeal they are discovering that Camilatone shows hair in its true colour—and costs only 8d for Shampoo and Tonrinz!

Camilatone Toning Shampoos and Tonrinz are both made in eight natural shades for all colours of hair. There is one to suit every customer—so be prepared to meet their demand. Order your stocks of Shampoo and Rinse now!

Camilatone Ltd., Edgware Road, Welsh Harp, London, N.W.9

A **WINNER**
FOR YOUR
WINTER
WINDOW!

Keep them on

'KEPLER'

TRADE MARK

The FOOD that keeps them fit



A BURROUGHS WELLCOME & CO. PRODUCT



Set a spur to winter sales by giving 'Kepler' a prominent display. Let the lively 'Kepler' showcard work for you as "silent salesman." Forceful advertisements for 'Kepler' are currently appearing in the "Radio Times" and other favourite family magazines with a readership of over 30 million. By linking up with this publicity campaign you can be sure of securing a satisfactory share of the profitable 'Kepler' market.

'KEPLER'

BRAND

COD LIVER OIL WITH MALT EXTRACT



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

*Orally active peripheral
VASODILATOR*

PRISCOL

RAYNAUD'S DISEASE
and
INTERMITTENT CLAUDICATION
in
Buerger's Disease and
Arteriosclerotic conditions

*In elderly patients with peripheral vascular disease
Priscol permits a much more active existence and delays the
sequelae of arteriosclerotic changes*

TABLETS 25 mg.

40 (4/6), 200 (20/3), 1,000 (90/-)

AMPOULES 25 mg.	OINTMENT 10%	SOLUTION 10%
-----------------	--------------	--------------

6 (14/6)	20g. (5/9)	10c.c. (7/6)
----------	------------	--------------

Retail Discount 33½% ; Exempt From Purchase Tax

CIBA

*'Priscol' is a registered trade mark denoting 2-benzyl imidazoline hydrochloride
Reg. user*

CIBA LABORATORIES LIMITED

HORSHAM · SUSSEX

Telephone : Horsham 1234

Telegrams : Cibalabs, Horsham

*The best of their kind,
always 'above' the average*



The 'Red Diamond' series
of PASTILLES including

**ANTISEPTIC THROAT
CATARRH
GLYCERINE of
THYMOL**

10/- a doz. plus tax 33½d

**Compound
BLACKCURRANT and
IPECAC COUGH SYRUP**

A delicious, delectable
and efficacious
preparation for ALL
children and their
parents

4 oz. size 8/9 a doz.
8 oz. size 11/6 „ „
plus tax 33½d.

A "RED DIAMOND" PRODUCT

BURGOYNE BURBIDGES

Established 1741 & COMPANY LIMITED, LONDON. E.6





Regd Design

6 oz. Best
White Sulphite
**SEND FOR
SAMPLE ROLL
and
COUNTER
DISPLAY
STAND**

HUNT & COLLEYS LIMITED
HUCKNALL RD., NOTTINGHAM. Tel. 61088-9

BURNSIDE'S EUCALYPTUS OILS

Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world.—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA

80/85% B.P.

Oil Euc. Dives 40/45%

Oil Euc. Citriodora

70/75% B.P.

Piperitone 90/95%

Oil Euc. Phellandra

... Phellandrene ...

UNIFORMITY OF QUALITY . . . CONSISTENCY OF ODOUR

Agents for U.K.: WILSON & MANSFIELD, LTD., 15 Philpot LANE, LONDON, E.C.3

Phone : MANSION HOUSE 9264-5-6

(WHOLESALE ONLY)

Grams : WYFIELD, LONDON

ROURA & FORGAS LIMITED

Sole Sterling Area Suppliers of

ITALIAN QUICKSILVER

HANOVER HOUSE, 73/78 HIGH HOLBORN, LONDON, W.C.1

Telephone Nos. HOLborn 0517/9



QUALITY AND SERVICE

for
**GALENICALS TABLETS
CAPSULES INJECTIONS
PENICILLIN PREPARATIONS**

DUNCAN, FLOCKHART & CO., LTD.
EDINBURGH & LONDON

More Mothers choose

Griptight

FEEDTEATS
than any other



You can recommend the GRIP-TIGHT Feedteat with every confidence. More Mothers choose this brand because it gives entire satisfaction and is recommended by many leading Hospitals, Clinics and Welfare Departments. They are extra carefully pierced and are available in fifteen

different shapes. Made in best quality rubber Latex they have extra long life and retain shape for at least 500 feeds. Hygienically packed in transparent wrappers and attractively carded or boxed. Guaranteed three years' store life in any climate.

Trade enquiries to: LEWIS WOOLF LTD., 144 Oakfield Road, Birmingham 29

February 3, 1951



Thinking of PACKAGING?

SPEEDFIX TAPE

is the answer!

SPEEDFIX Cellulose Self-Adhesive Tape simplifies and speeds many production tasks: chemicals, whether packed in cartons, tins or jars, are most readily sealed and protected against air, damp and pilfering with a strip of SPEEDFIX Tape—transparent, coloured or overprinted to your own design. It is smart, quick and easy to handle; it moulds itself to the shape of your pack and gives added lustre.

Our full range of Self-Adhesive Tapes includes printed BONDEX Labels for coding and identification, and READYSALE Advertising Tapes for bringing your products to the public's eye at Point of Sale.

SPEEDFIX Is A.I.D. Approved.

● Can we send you a sample to try on your products?

INDUSTRIAL TAPES LTD.

SPEEDFIX HOUSE - DUKE'S ROAD
LONDON · W.C.1 - EUSTON 3718 (3 Lines)

JKL

ANIS OIL
AGAR AGAR
ALOES CAPE and CURACAO
BELLADONNA LEAVES and ROOT
BERGAMOT OIL
CAMPHOR, JAPANESE
CHILLIES
CINCHONA BARK
DIGITALIS LANATA
LIQUORICE ROOT and JUICE
MENTHOL CRYSTALS
ORANGEPEEL
PEPPERMINT OIL
SAGE LEAVES
STROPHANTHUS SEED
TONQUIN BEANS
and all other crude Drugs, Essential
Oils and Spices.

JOHN KELLYS (LONDON) LTD.

24 OLD BROAD STREET, LONDON, E.C.2
Telephone: LONDON Wall 4882, 6585, 6586
Telegrams: "Ergotine, Stock, London"

NEW YORK: Kellys America, Limited,
2 Broadway, New York, 4.
Telegrams: "Ergotine" New York.


LONGER LIFE
for cut flower
means
Bigger Profits
for you!

THE WONDER TABLET

Nutrigen
MINOR

National advertising will create a tremendous demand for NUTRIGEN, and this means tremendous sales—and repeat sales—for all stockists. Good mark-up, order now!

Write for trade terms and information about dealers to:

SIMMONDS-LOW HORTICULTURAL PRODUCTS LTD

78-80 CHURCH ROAD, ACTON, LONDON, W.

Stops Scurf

Page-Barker's

Scurf & Dandruff Lotion

Trade 20/- doz.

Money Back
Guarantee
on every bottle!

Plus Tax $\frac{1}{2}$ Retail 3/4

Ask for Showcard

Sole Distributors to the Chemists' Trade—

THOS. CHRISTY & CO. LTD., NORTH LANE, ALDERSHOT

Sole Manufacturers and Proprietors—

THE ILEX SUPPLY CO., LTD., 252b, GRAY'S INN ROAD, LONDON, W.C.I



What does
BROMO
mean to you?



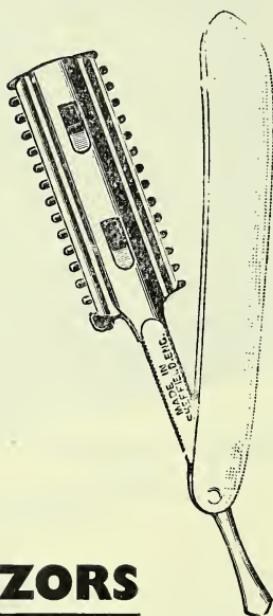
Even before it won a gold medal in Paris at the Grande Exposition of 1878, people had been whispering its praises. Behind discreet fans, during the duller passages of dear Pinero, and even as little Sophie stumbled through the 'Maiden's Prayer,' the word was round: "BROMO is so strong . . ." "BROMO is so soft . . ." "BROMO is safe, my dear."

Soon, BROMO—the kindest toilet paper the world became known and appreciated by connoisseurs everywhere.

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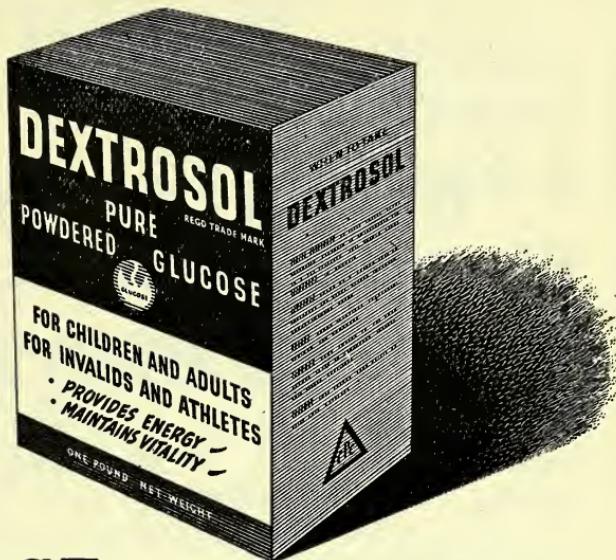
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hen a doctor prescribes pure medicinal glucose he is doing so to differentiate between this grade and many forms of glucose which contain mineral and vitamin additives. In such cases chemists can best ensure that

the patient is receiving what the doctor has prescribed by dispensing "Dextrosol" Brand Powdered Glucose. This can be obtained through the usual wholesale channels and is packed in 1 lb. cartons to retail at 2/3d.

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A New Highly-Soluble SULPHONAMIDE

'Gantrisin' has proved of great therapeutic value in numerous clinical trials, covering the following indications :

Urinary infections & Systemic infections due to the following:

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The chief advantages claimed are :

High Solubility

and consequently little danger of renal blocking

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and a low incidence of side-reactions

No need for alkalis or extra fluids

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'GANTRISIN'

3:4-dimethyl-5-(p-aminobenzene-sulphonamido)-isoxazole

in Tablets of 0.5 g., issued in
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For further information please apply to The Medical Department

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BEATSON
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The new Beatson Ribbed Oval carries on the tradition of the increasingly popular Beatson Medical.

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A new antihistaminic of low toxicity and few side-effects.

Diatrin is being introduced to the medical profession by regular full page announcements in the B.M.J., Lancet, the Practitioner and other important medical journals; by regular circularization to all doctors in practice in the U.K.; by direct representation to the doctors' medical representatives.

*****	*****	*****	*****
* PACKAGING:	Sugar-coated oral tablets,	*	*
* 50 mg. each. Bottles of 20 and 250.		*	*
* DOSAGE:	In the average case, one tablet,	*	*
* 50 mg., by mouth 4 times a day, preferably after		*	*
* meals and at bedtime (total intake, 200 mg.).		*	*
* Price to consumer ..	20's 4/- each	250's disp. only	*
* Trade Price ..	32/- per doz.	320/- per doz.	*
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Diatrin is a P.I., S.I., S.IV., poison, not subject to purchase tax.

Supplies obtainable from your wholesaler or direct from:—

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Owing to the rising cost of manufacture, we are reluctantly compelled to increase the following retail prices:

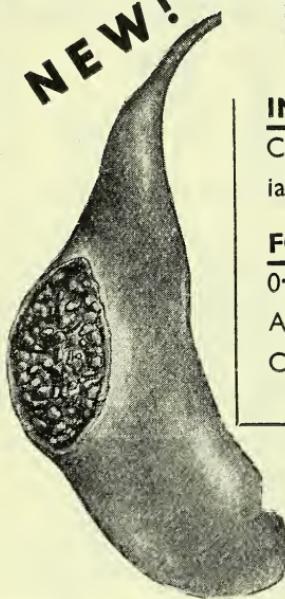
		RETAIL (each)	LIST PRICE (per doz.)
D.D.D. Prescription—Small	...	1/9d	12/4d
" " Medium	...	3/11d	28/2d
" " Large	...	6/6d	46/6d
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Koko Cream Shampoo (small tube)	1/3d		8/0d

This is the first time for 35—40 years that basic D.D.D. prices have been increased.

THESE NEW PRICES ARE EFFECTIVE FEBRUARY 1st.

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BELLAPURIN

• RECTAL THERAPY •

INDICATIONS: Hæmorrhoids, Tenesmus, Pyelitis, Cystitis, Uterine Inertia, Dysmenorrhœa, Cholelithiasis, Cholangitis, Prostatitis.

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For Coughs, Colds, Chest and Throat Ailments and also for Asthma and Bronchitis.

The severe winter is bringing a steady demand.

9/- per doz. Retail 1/4½ each.
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Tubes of 25 tablets—2/6 retail.
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d-Tubocurarine Chloride
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For securing Muscular Relaxation
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For use in the Treatment of

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Less 5% cash in 14 days

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is a powerful antiseptic which dispels unpleasant odours and imparts its own delicate perfume.

2/- per Bottle;
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RETAIL: 2/- per bottle. Complete Spraying Outfits, 10/- and 21/-

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LIMITED**

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**"When I sell a bottle
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MIRACLE MIXTURE I make a friend"

*Thus writes a Chemist who has
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There is no medicine in this Country which has saved the lives of so many poorly dogs. There is no more elegant preparation. None which gives such certain and speedy relief and none which shows you a better return for your sales in good wishes and financial benefit.

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"MATER"
CLINICAL REGD.**
The position of the Mercury column is at once
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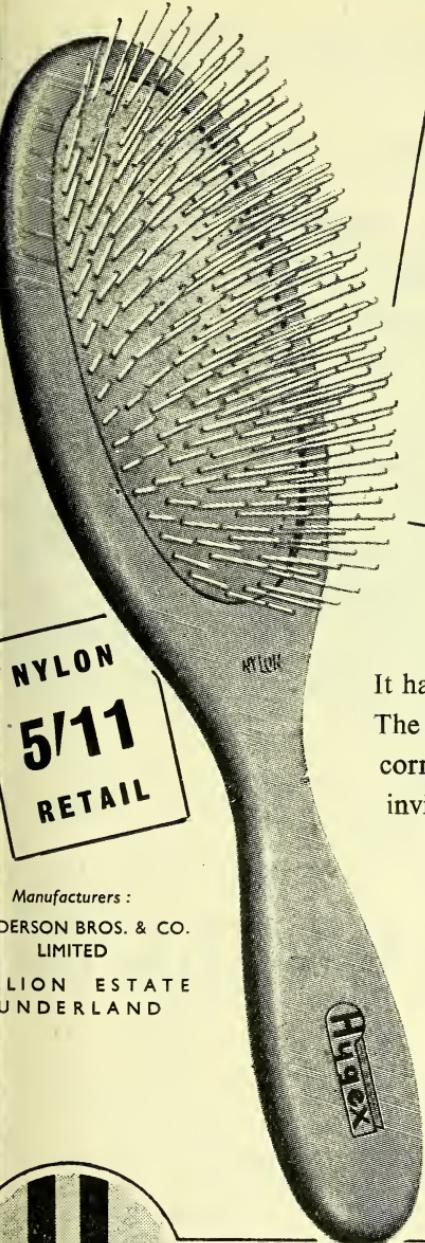
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It has been described as "**A REAL WINNER!**"
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The **HYGEX "333"** is selling fast.

Supplied in rosewood, satinwood, pink, pastel blue and green finishes in the distinctive Hygex display carton.

Price 39/- per doz. plus P.T.

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**A GOOD BRUSH PEOPLE
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Hygex

I took **VULFIX** straight on the chin!



And I kept it there, whipping up a whisk
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VULFIX "SERVICE"

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give
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The IDEAL Bases for
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preparations

Manufactured under the most careful
control ensuring maximum efficiency
and satisfaction to the user

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SANDOZ PRODUCTS LTD., Bradford



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Disinfectant

Sales
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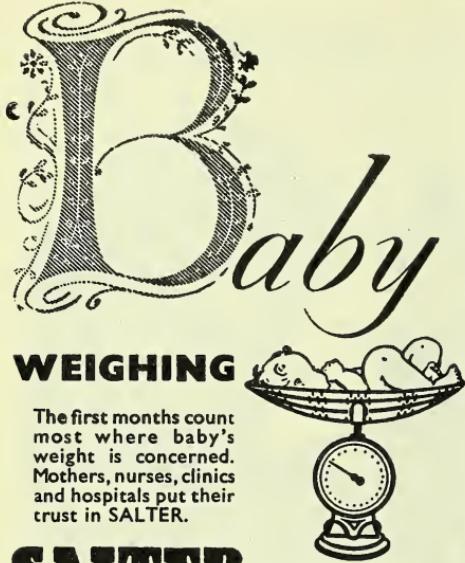
UP and UP



you
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Established 1760

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36" to 46" Chest
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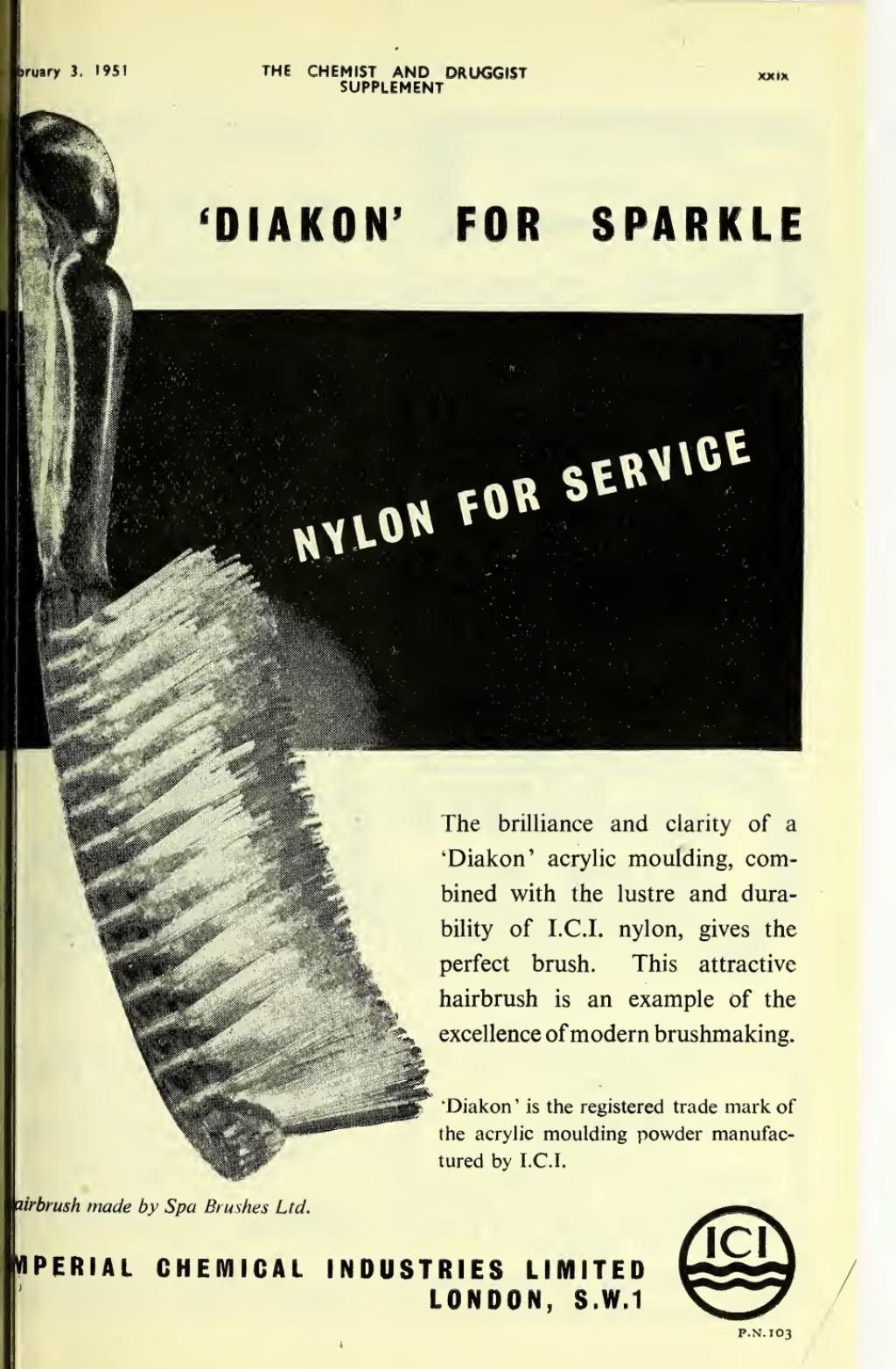
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17/10 each

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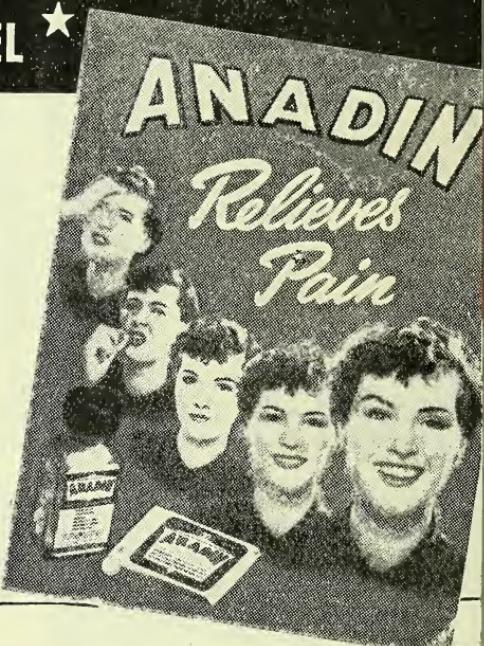
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